









HON. TIMOTHY W. GOOD
Mayor of Cambridge, Massachusetts
1914-1915

City of Cambridge
Massachusetts

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THE
ANNUAL REPORTS

Made to the City Council

FOR THE

Year Ending March 31, 1915



PUBLISHED BY THE ORDER OF THE CITY COUNCIL
UNDER THE DIRECTION OF THE
CITY CLERK

67403





INAUGURAL ADDRESS

OF

HON. TIMOTHY W. GOOD

APRIL 5, 1915

Gentlemen of the City Council:—

We, the members-elect of the City Council, assemble here today to take oath to the faithful performance of our duties; and I enter upon my second term of office with the resolve to maintain the standard set for the advancement of Cambridge to the front rank of American cities. In this determination I ask your co-operation in all matters affecting the vital interests of our City.

Progress is the keynote of American municipalities, but progress, while so much desired, must be sought with a scrutinizing attention in all financial affairs, to the end that proper provision may be made for all necessary requirements, with a reasonable allowance for those munify truly and soundly progressive. An increase in taxation is to be avoided, if possible, as such a course often impedes all progress and excites just criticism. We must urge reasonable economy by all department heads, and should ourselves be guided by necessity rather than by expediency.

With the rapidly increasing burden each year of State and County assessments, with the automatic increase in school teachers' salaries, and with other demands imposed upon us by the State, it necessarily follows that our municipal enterprises must bear the brunt of practical economy; but we must not lose sight of the fact that Cambridge is now past the stage of development, and in order to satisfy the demands of our citizens, our merchants and our manufacturers, certain standards

must be maintained, and these standards require the expenditure of large sums of money.

To meet these various problems, it seems to me eminently proper that you first carefully consider our financial condition, with a view to so regulating our expenditures that our current tax rate may be kept at a reasonable figure.

I therefore submit for your consideration the following statement:

The net city debt on March 31st, 1915, was \$6,195,829.86, of which \$742,700.00 is of serial issue. This shows an increase of \$61,940.55, and during the coming year bonds to the value of \$120,000.00 will mature and be paid from our sinking funds established for that purpose. Serial issues amounting to \$62,200.00 will mature, and must be paid from general revenue. While our net water debt is \$1,197,050.00, an increase of \$26,000.00, this increase will not in any manner affect the problem of taxation, as the Water Department is self-sustaining, paying out of water receipts all maintenance charges and other obligations, including bonded indebtedness, with the interest thereon.

Our borrowing capacity for the year ending December 31st, 1915, which date is determined by statute, is as follows:—

Net valuation, April 1st, 1912.....	\$114,054,596.00
Net valuation, April 1st, 1913.....	120,334,598.00
Net valuation, April 1st, 1914.....	127,140,953.00

This is an average net valuation of \$120,510,049.00. Two and one-half per cent. of this average is \$3,012,751.22, of which amount there is outstanding the sum of \$2,675,586.89, leaving the borrowing capacity for the current year at \$337,164.33.

We have already provided for bond issues for the following necessary improvements:—

Agassiz School	\$65,000.00
Remodeling City Home.....	40,000.00
Fire alarm apparatus	25,000.00
Street improvements	2,500.00

The available balance should be wisely and judiciously expended. Our tax levy for the year 1914-15 amounted to \$2,794,115.85, and with estimated revenue of \$818,106.63, made the sum of \$3,612,222.48 available for our expenditures. Of this amount ap-

proximately \$2,275,000.00 was expended for compulsory enterprises controlled by statute, and over \$1,000,000.00 for extraordinary expenses also required by law, so that the balance of about \$300,000.00 sufficed for general government, libraries, parks, playgrounds, cemeteries, pensions, reserve fund, land damage and other minor expenses. These amounts were not appropriated, however, until a careful study was made of the needs of various departments, and by strict economy we were enabled to keep our tax rate at a nominal figure. I see no hope for a lower rate for the ensuing year, as our growth and development require even a larger amount of money for current expenses than was appropriated last year.

It is gratifying to know that we have been able to maintain our high standard of credit notwithstanding the stringency of money in the financial world, and this fact has just been strongly emphasized by the action of the City Treasurer in placing a temporary loan at the rate of 2.79 per cent. discount, the lowest rate obtained by any other city or town in New England.

During the last year our streets have been vastly improved with permanent pavements, a better system of street lighting installed, increased sewerage facilities provided, a number of old water mains replaced and dead ends connected, and a new concrete bridge constructed on Walden Street.

All these activities have given our laborers an abnormal amount of employment, which, with increased compensation, has been a source of great satisfaction. Our police and fire forces, maintained for the protection of life and property, have nobly responded whenever called upon in the performance of their duty.

Our schools have been carefully conducted, and, under the present regime, have reached the highest stage of efficiency.

The year 1914-1915 has been one of steady progress in our day and evening schools, the intelligent and humane manner in which the less fortunate children have been taken care of being worthy of special comment.

It has been my pleasant duty to provide, with the aid of the City Government, two beautiful and well equipped school buildings. The Daniel J. Haggerty School at Mount Auburn contains adequate accommodations for the day school and night school pupils of the district. It has a cooking-room for the instruction of the girls in domestic science. A branch of the Public Library will be located there, and the citizens will have the use of its hall,—which has a

seating capacity of four hundred (400),—for the discussion of matters of public interest.

The new Agassiz School about to be placed on the site of the present school will fill a long felt want and will greatly relieve the present Peabody School by providing rooms for the upper grade children, who are now obliged to cross Massachusetts Avenue. This building will be provided with kindergarten rooms, a cooking-room and a large hall.

It is a source of gratification to the citizens that the School Board has been obliged to send no child to the truant school, provision having been made for these children in school under influences that promote their good, while keeping them happy and contented.

From personal observation, I am convinced that the evening schools of our city have reached a high standard of efficiency. When I remind you that three years ago the graduating class of our Evening High School numbered twelve, while this year one hundred and thirty-two were graduated, you must be convinced that those young people, who, through no fault of their own, have been obliged to leave the grades are given every opportunity to continue their education and are taking advantage of that opportunity.

The City Home, which was so badly damaged by fire in December last, is being rebuilt according to a plan and specifications which will result in splendid accommodations for the worthy poor of this and succeeding generations.

The Tuberculosis Hospital is in process of erection, and preliminary work has already begun on the General Hospital under the control of the City.

It might not be amiss to note at this time that much criticism has been directed to the methods in vogue for the acquisition of lands for City uses. Concerning the merits of this criticism I offer no statement, but I suggest as a remedy against any such criticism hereafter, that I shall favor the taking of all lands by the right of eminent domain, thus leaving the settlement of damages or costs to be determined by a jury in the ordinary course of legal procedure.

With the completion of the Park section between River Street and Western Avenue, our river front has now reached such a stage of development as to show its beauty and utility, and the recent improvement made by the construction of the Freshman Dormitories by Harvard University shows what magnificent possibilities there are for development along the banks of the river.

I recommend the further development of our Park system in the vicinity of McNamee Square, and immediate provision for playground facilities in Ward 8. I desire to have an appropriation of money made for school garden work, and in addition to assisting private enterprises engaged in this work, I recommend that the land at the foot of Magazine Street, bordering upon our Parkway be made available for school gardens. The expense is trivial compared with the many benefits received by our children. The summer playground work should be enlarged upon as one of the best features in connection with our Park system. The erection of a new bath house at Captain's Island and the building of Shelters with baths and proper sanitary arrangements at the Mill Pond and Thorndike playgrounds, should be carefully considered. Likewise the establishment of additional branch libraries, as all these suggested improvements would be of vast benefit to our inhabitants.

I desire to express my appreciation to the authorities of Harvard College for the spirit of co-operation shown whenever expert assistance on municipal problems is required. A recent offer of a municipal survey of all departments should be carefully considered as means might be devised whereby the City would greatly benefit by such advice.

The Institute of Technology willingly co-operates whenever requested, and its action in granting five annual scholarships to deserving Cambridge boys is worthy of commendation.

I recommend that a special committee be appointed to consider all salaries of department heads and various employees, with authority to so grade the amounts received that they will be fixed by the ordinance with a minimum and maximum amount commensurate with years of service.

SCIENTIFIC VALUATION

In my inaugural of last year I called attention to the desirability of introducing in Cambridge better methods of real estate assessment, and urged that "a scientific adjustment of land values would add greatly to our taxable real estate, and result in more equitable assessments." I recommended an appropriation of money for this purpose, and suggested that a committee of the City Council should confer with the Board of Assessors and the Cambridge Real Estate Exchange concerning "the proper methods to be pursued in this important matter."

Last fall I conferred with citizens interested in this subject, and after a conference held at my office on November 18, 1914, appointed a Special Committee upon Real Estate Assessments in Cambridge. This Committee, of which Mr. Stoughton Bell was Chairman, included the Presidents of the Board of Aldermen and Common Council, the President of the Cambridge Board of Trade, members of the Cambridge Board of Assessors, and experts appointed by Harvard University and the Massachusetts Institute of Technology. The Committee commenced work in December, and after three months of careful investigation of the methods of assessment employed in Cambridge and in other cities, has recently submitted a report which I have had printed for the information of the City Council and the citizens of Cambridge.

The Committee recommends changes in our methods of assessments which meets with my entire approval, and also the approval of the present Cambridge Board of Assessors. Some of these changes require no action on the part of the City Council, and can be made by the Board of Assessors. Others will require enabling legislation by the Commonwealth of Massachusetts and suitable appropriations by the City Council.

The Committee recommends that the office of Assessor be made an appointive office. It points out that this matter is connected with the whole question of a new city charter, but records its conviction that Cambridge should follow the example of other progressive cities, and discontinue the practice of electing its Assessors. Since legislation upon the subject of city charters is now pending, it is necessary for the city to await the action of the Legislature. But if the measures finally enacted by the Legislature fail to provide for the appointment of the Assessors, I shall endeavor to obtain legislation that will permit the City of Cambridge to move immediately in this direction.

The Committee also recommends that equalization maps be provided, and points out that the Cambridge Board of Assessors a year ago asked for such maps. I find that it is impossible to equalize real estate assessments in different parts of the city without adopting this device, and therefore recommend an appropriation for that purpose.

Another recommendation of the Committee, which requires action by the City Council, would permit the City to employ a civil engineer to prepare for the use of the Board of Assessors such mathematical rules and tables for the valuation of real estate as are now in use

in other cities where real estate assessments have been placed on the highest basis of efficiency and equality. I therefore recommend an appropriation of \$3,000.00 to provide suitable compensation for such an engineer, as well as the incidental expenses of the undertaking, and recommend that this money be made immediately available in order that we may engage a suitable man in time to have his services during the assessment of the present year.

The Committee points out that it will be impossible to have a complete revaluation of real estate before 1916, but I have confidence that in that year its recommendation will lead to better assessment of real estate than the city has ever had, and one that will place Cambridge abreast of the most progressive cities in the country.

FREE EMPLOYMENT BUREAU

This office opened January first of this year, and is the only free employment office in New England conducted by a municipality, although there are many of them throughout the west, and a bill now in the Massachusetts Legislature seeks to compel every city and town to maintain one. In the three months that it has been in operation eighty-six employers, including banks, manufacturers, retailers, public service corporations and individuals, have applied for help. Seven hundred and forty have applied for situations and of this number two hundred and seventy-eight have secured positions.

There is no department of the City which can be made so beneficial in its results as the successful and proper management of the Free Employment Bureau. When properly regulated it will, in my judgment, do much in normal times to reduce the number of idle, shiftless, intemperate, immoral and criminal; and it will give to us a better citizenship, and respect for our laws and civic institutions. The selection of Mr. Francis C. Smith, who conducts this bureau unaided and with a small outlay of money, justifies my prediction that, with the proper official, this new department would be an unqualified success.

WATER FILTRATION.

One of the greatest assets of any community is a pure water supply. In the past we have tolerated a supply which, while of average hygienic purity, nevertheless is colored with vegetable stain, and at

certain seasons possesses tastes and odors which are distinctly objectionable,—indeed, sometimes becoming actually offensive. Furthermore, the dangerous pollution on the watershed is steadily increasing, and the time is fast approaching when the water, without treatment, will be unfit for domestic consumption.

Realizing that our citizens want a water supply inferior to none, I inaugurated last year a movement for improvement, that the people of Cambridge might have for all time a water in which they would experience personal satisfaction, and which they would not be ashamed to serve to their guests.

On March 18th of this year, after investigating the problem as handled in other cities of our country, and carefully analyzing the standing of, and meeting with, the leading engineers specializing in this field, we engaged a consulting engineer of international reputation, Mr. George A. Johnson, of Boston and New York, to study our needs, and design and supervise the construction of a water filtration plant.

This plant, when completed next year, will serve as a lasting monument to the progressiveness of the City of Cambridge and insure to our citizens for all time a clear, sparkling, odorless and hygienically pure water supply.

LAW ENFORCEMENT.

Considerable discussion has arisen from complaints made against druggists and so-called “pony” expressmen who have received licenses to conduct business in this city. I am satisfied that the Police Department has tried to do its full duty in this matter. I realize fully how difficult it is for police officers to obtain sufficient evidence to convict druggists who are willing to violate the law. On the other hand, it may be comparatively easy for a stranger to obtain, in some places, liquor in violation of the law, but juries are slow to convict on the testimony of so-called spotters,—men hired to obtain evidence in these matters,—as is shown by the acquittal of many druggists against whom complaint was made as a consequence of the crusade which was started in the past year. It is even more difficult for the Police Department to proceed against the holders of “pony” express licenses on the ground that the proportion of their carrying business in articles other than intoxicating liquors does not justify their continuance to do business under such licenses, as on the granting of these licenses

there is a presumption that they are legally and lawfully conducting a general express business, and it is extremely difficult for police officers to satisfy themselves that they are violating the law.

Therefore, I would recommend that the Board of Aldermen make careful scrutiny of the fitness of individual druggists, and that such regulations be enacted in regard to the amount and location of stock and the general conduct of this part of the drug business as may be deemed advisable in order that the provisions of law may be fully and satisfactorily met.

So, also, with regard to "pony" express licenses, the Board of Aldermen should be satisfied that the persons or corporations to whom they grant licenses are regularly and lawfully conducting a general express business, and, in order to arrive at this conclusion, requisite testimony should be obtained from the Police Department, and from such other sources as may be deemed advisable. By so doing, the opportunity to violate the law regarding the sale of intoxicating liquors in Cambridge will be reduced to a minimum.

Cambridge has been a "no-license" city for nearly thirty years, and it is the only city of considerable size that has held to this policy for such a length of time. With this policy I am in entire sympathy and, notwithstanding all the notoriety which has been made regarding the illegal sale and transportation of intoxicating liquor, I am satisfied that the conduct of our citizens in this regard will compare favorably with that of any other cities in the Commonwealth.

Now that the people have again decisively spoken in favor of a continuation of the no-license policy, our duty is clear—to enforce the law and demand exact compliance with its requirements.

The law can be and should be enforced by the officers of this city upon whom the duty rests, and it will be my obligations to see that it is thoroughly enforced.

COMMITTEE EXPENSES.

I recommend that both branches of the City Council adopt stringent rules and regulations regarding the expenditure of money in connection with the Committee work. This privilege has been shamefully abused during the past year, and in many instances the city has been forced to pay bills for expenditures, which, while legally right,

were morally wrong, and I anticipate great improvement in this direction by the present City Council.

The past few years have seen the formation of many business organizations, and while it is gratifying to find an awakening among our merchants, great care should be taken to have all such bodies stick closely to their original aims and purposes, and not endeavor to create sectional feelings by unjust demands. They can and will be a power for good in our community if a spirit of fairness is inculcated instead of a feeling of antagonism toward the party in power.

The year just closed has been a trying one, not only for the City Council, but for the people of Cambridge at large. Resultant conditions, due in a great measure to the conflict now raging across the water, have placed our city in the same embarrassing position that every large corporation has found itself. Malevolent, discontented criticism, that finds fault with every proposition, regardless of its merits, has found its way into our midst. Unreasonable demand upon public servants is bound to create differences and ill-feeling, and while Cambridge has, during the past few months, been subjected to unpleasant notoriety, I trust that all may profit by past experiences and my wish is that a new era shall dawn, which will bring forth better results.

Our constant aim should be to advance and be constructive, not destructive, to have our every act open to the closest scrutiny, for I still have faith in the intelligence and fairness of the people of Cambridge, and, no matter how fierce the denial may be, there is still that which is great and good amongst us, and which deserves to live.

Gentlemen of the City Council:—

We are citizens of no mean city. In the life of our nation and of this Commonwealth, Cambridge citizenship and Cambridge endeavor have ever played a noble part.

The story of the Nation cannot be written without noting the enduring patriotic action of our community. In the passing of the years, the intelligence, the patriotism, the energy and the wisdom of our people have kept pace with intellectual and economic progress.

Our industries are increasing, our great institutions of learning—world-wide in their reputable standing—are enlarging, our people are multiplying and prospering.

In all spheres of human usefulness, it is our privilege to give service of the noblest character. Will we not, therefore, be actuated by a resolute desire to serve all the people of our city with impartial fairness, with trust and frankness for all?

Will we not give to our city and its interests our highest and most faithful efforts?

I am satisfied that she can rest trustingly and confidently on the integrity of our public acts.

ANNUAL REPORTS

Annual Report of the City Auditor

City Auditor's Office,

April 1, 1915.

To the Honorable, the City Council:—

The undersigned herewith presents a statement of the receipts and payments of the City of Cambridge for the year beginning on the first day of April, 1914, and ending on the thirty-first day of March 1915.

The first part of this report is devoted to an exhibit arranged upon the Schedules for Uniform Municipal Accounting as issued by the Bureau of Statistics by the Commonwealth of Massachusetts. Following these schedules are presented detailed statements arranged in the same order, together with the usual matters given in the Auditor's report, including a schedule of the city property.

Respectfully submitted,

CHARLES H. THURSTON,

City Auditor.

REPORT OF CITY AUDITOR

FOR THE YEAR ENDING MARCH 31, 1915

SCHEDULE A—I

RECEIPTS AND PAYMENTS OF THE FISCAL YEAR

Consolidated Statement

Cash balance at the beginning of the year.....	\$11,066 74
Excess of temporary receipts	250,000 00
	<hr/>
	\$261,066 74
Actual payments* during the year	\$4,146,717 46
Actual receipts* during the year	3,947,540 38
Excess of payments	<hr/>
	199,177 08
Cash balance at end of year	<hr/>
	\$61,889 66

* Omitting temporary accounts.

SCHEDULE A—II

General Exhibit of Receipts and Payments of the Fiscal Year

	Receipts	Payments
*Revenue Accounts (Operation and Maintenance)	\$3,063,314 92	\$3,263,639 29
*Non Revenue Account (Construction, etc.)	512,448 54	506,851 00
Agency Trust and Investment Transactions	371,776 92	376,227 17
TOTAL ACTUAL CASH TRANSACTIONS OF THE YEAR (omitting temporary accounts	\$3,947,540 38	\$4,146,717 46
Temporary Loans	1,145,000 00	895,000 00
Redemption of Debt from Sinking Funds...	165,000 00	165,000 00
	\$5,257,540 38	\$5,206,717 46

Actual Financial Result of the Operation and Maintenance of the City for the Year

Revenue Receipts, as above, from taxation and other sources, not including money borrowed	\$3,063,314 82
Revenue payments, as above, for operation and maintenance (running expenses)	3,263,639 29
Excess of Revenue Payments for the year	200,324 37
Excess of Non-Revenue Receipts	\$5,597 54
Excess of Agency Transactions payments	4,450 25
	1,147 29
Excess of payments	\$199,177 08

SCHEDULE A—III

RECEIPTS

Fiscal year ending March 31, 1915

REVENUE

General

I. Taxes:

1. Property	\$2,219,426 94
2. Corporation	159,913 74
3. Street Railway (exclusive of Boston Elevated ex- cise tax)	48,915 63
4. Bank	15,498 17

II. Licenses and Permits:

a. Licenses:

1. Liquor	45 75
2. All other	4,664 00

b. Permits:

1. Marriage	1,420 00
2. All other	671 00

III. Fines and Forfeits:

1. Court	3,130 11
2. Contract violations	67 00

IV. Grants and Gifts:

a. From State, for Education:

1. Aid to Industrial Schools	5,421 96
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b. From County:

1. Dog Licenses, for Libraries	3,263 42
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c. Gifts from Individuals:

1. For Expenses	1,888 00
2. For Outlays	581 51

V. All Other General Revenue:

Commercial

VI. Special Assessments:

a. To meet expenses for:

1. Street Sprinkling	33,302 35
2. Moth Extermination	2,688 17

b. To meet outlays for:

1. Sewers	2,172 23
2. Sidewalks and Curbing	5,763 28

VII. Privileges:

1. Public Service	14,096 51
2. Minor	400 00

VIII. Departmental:

1. General Government	4,734 60
2. Protection of Life and Property	969 49
3. Health and Sanitation	34,508 00
4. Highways	2,999 15
5. Charities	20,394 19
6. Soldiers' Benefits	11,387 00
7. Schools	7,594 84
8. Libraries	1,015 43
9. Recreation	2,150 94
10. Pensions	
11. Unclassified	9,089 00

IX. Public Service Enterprises:

1. Water	409,106 35
2. All other	4 92

X. Cemeteries

20,752 31

XI. Administration of Trust Funds

XII. Interest	25,683 95
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Amount carried forward \$3,073,719 94

Schedule A-III—Continued

PAYMENTS

Fiscal year ending March 31, 1915

Maintenance

I. Departmental:

1. General Government	\$133,264 98
2. Protection of Persons and Property	431,090 52
3. Health and Sanitation	305,780 27
4. Highway	253,289 94
5. Charities	112,403 98
6. Soldiers' Benefits	31,791 48
7. Schools	632,402 40
8. Libraries	34,725 49
9. Recreation	86,683 92
10. Pensions	15,164 15
11. Unclassified	11,965 13

II. Public Service Enterprises:

1. Water	152,830 51
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III. Cemeteries	17,819 78
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IV. Administration of Trusts Funds

V. Interest:

1. On Loans in anticipation of Revenue	13,518 04
2. On Loan for General Purposes	341,270 95
3. On Trust Fund Annuities	1,500 00
4. On Loans for Public Service Enterprises	111,037 75
5. On Loans for Cemeteries	280 00
6. Metropolitan Interest Requirements:	
a. Sewer	48,539 45
b. Park	56,143 15

Outlays

I. Departmental:

1. General Government	
2. Protection of Persons and Property	8,416 84
3. Health and Sanitation	48,742 43
4. Highways	270,495 68
5. Charities	60,760 20
6. Soldiers' Benefits	
7. Schools	36,723 44
8. Libraries	
9. Recreation	55,237 90
10. Pensions	
11. Unclassified	

II. Public Service Enterprises:

1. Water	24,887 66
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III. Cemeteries	1,586 85
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IV. Administration of Trust Funds

V. Interest:

VI. Municipal Indebtedness:

1. Loans in Anticipation of Revenue	895,000 00
2. Bonds and Notes from Sinking Funds:	
a. General	165,000 00
3. Bonds and Notes from Revenue:	
a. General	31,550 00
b. Public Service Enterprises	19,000 00
4. Metropolitan Sinking Fund and Serial	
Loan Requirements:	
a. Sewer	23,803 79
b. Park	10,266 99

Amount carried forward \$4,442,973 67

Schedule A-III—Continued

RECEIPTS

Fiscal year ending March 31, 1915

Amount brought forward \$3,073,719 94

Offset to Outlays

I. Departmental:

- 1. General Government
- 2. Protection of Life and Property
- 3. Health and Sanitation 13 46
- 4. Highways
- 5. Charities
- 6. Soldiers' Benefits
- 7. Schools
- 8. Libraries
- 9. Recreation
- 10. Pensions
- 11. Unclassified

II. Public Service Enterprises:

- 1. Water 5,471 52

III. Cemeteries

Municipal Indebtedness

- 1. Temporary Loans, anticipation of Revenue 1,145,000 00
- 2. Loans for General Purposes 448,000 00
- 3. Loans for Public Service Enterprises 45,000 00
- 4. Premiums 3,558 54

From Sinking Funds 165,000 00

Agency, Trust and Investment Transactions

I. Agency:

- a. Taxes:
 - 1. State 230,037 50
 - 2. Non-resident Bank 4,488 86
 - 3. County 126,152 80
- b. Liquor Licenses Collected for the State 15 25

II. Trust:

- 1. Perpetual Care Fnds 3,357 50
- 2. Private Trust Funds and Accounts
 - a. Protested Taxes and Assessments 7,725 01

Total Receipts \$5,257 540 38

Schedule A-III—Continued

PAYMENTS

Fiscal year ending March 31, 1915

Amount brought forward \$4,442,973 67

VII. To Sinking Funds

1. From Revenue 387,516 62

VIII. Agency, Trust and Investment Transactions

I. Agency:

1. Taxes:

a. State	230,037 50
b. Non Resident Bank	4,488 86
c. County	126,152 80
2. Liquor Licenses to State	15 25

II. Trust:

1. Perpetual Care Funds	3,357 50
2. Private Trust Funds and Accounts:	
a. Return of Protested Taxes and Assessments	12,175 26

Total payments \$5,206,717 46

Schedule A-III—Concluded

RECAPITULATION—RECEIPTS

Revenue:

For Current Charges	\$3,063,314 92
For Outlays	10,405 02
Offsets to Outlays	5,484 98
Municipal Indebtedness	1,641,558 54
From Sinking Funds	165,000 00
Agency, Trust and Investment Transactions	371,776 92
Total Receipts	\$5,257,540 38
Balance on hand, beginning of year	11,066 74
GRAND TOTAL	\$5,268,607 12

Schedule A-III—Concluded

RECAPITULATION—PAYMENTS

Current Charges against Revenue:

Maintenance and Interest	\$2,791,501 89
Debt	84,620 78
Sinking Funds	387,516 62
Outlays	506,851 00
Debt from Sinking Funds	165,000 00
Temporary Loans	895,000 00
Agency, Trust and Investment Transactions	376,227 17
Total Payments	<hr/> \$5,206,717 46
Balance on hand, end of year	61,889 66
GRAND TOTAL	<hr/> \$5,268,607 12

SCHEDULE A—IV

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
GENERAL REVENUE			
1. TAXES			
Current year:			
1. Property	\$1,977,171 44		
2. Poll			
Previous year:			
3. Property	242,255 50		
4. Poll			
From the State:			
5. Corporation	159,913 74		
6. Street Railway (exclusive of Boston Elevated excise tax)...	48,915 63		
7. Bank	15,498 17		
Total from Taxes	\$2,443,754 48		\$2,443,754 48
2. LICENSES AND PERMITS			
Licenses:			
8. Liquor	45 75		
9. All other	4,664 00		
Permits:			
10. Marriage	1,420 00		
11. All other	671 00		
Total from Licences and Permits	\$6,800 75		\$6,800 75
3. FINES AND FORFEITS			
12. Court	\$3,130 11		
13. Department Penalties			
14. Contract Violations	67 00		
Total from Fines and Forfeits ...	\$3,197 11		\$3,197 11
Total forward			\$2,453,752 34

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
Total forward			\$2,453,752 34
4. GRANTS AND GIFTS			
Grants from Other Civil Divisions:			
15. From State, for Education....			
a. Support of Public Schools..			
b. Aid to High Schools.....			
c. Aid to Industrial Schools...	\$5,421 96		
d. High School Tuition.....			
e. Union Superintendency.....			
16. From State, for Armories.....			
17. From State, for Highway Pur- poses			
18. From State, for Other Purposes			
a. Inspector of Animals.....			
b. Protection against Forest Fires			
c.			
d.			
19. From County (Dog Licenses), for Schools or Libraries.....	3,263 42		
Gifts from Individuals:			
20. For Expenses	1,888 00		
21. For Outlays, Mchitable Wilson, New Flag Staff.....		\$581 51	
Total from Grants and Gifts.....	\$10,573 38	\$581 51	\$11,154 89
5. ALL OTHER GENERAL REVENUE			
22.			
23.			
Total from All Other Revenue			
Total forward			\$2,464,907 23

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
Total forward			\$2,464,907 23
COMMERCIAL REVENUE			
6. SPECIAL ASSESSMENTS*			
24. Street Sprinkling	\$33,302 35		
25. Moth Extermination	2,688 17		
26. Sewers		\$2,172 23	
27. Sidewalks and Curbing		5,763 28	
28. Other purposes			
Total from Special Assessments.	\$35,990 52	\$7,935 51	\$43,926 03
7. PRIVILEGES			
29. Public Service	\$14,096 51		
30. Minor	400 00		
Total from Privileges	\$14,496 51		\$14,496 51
Total forward			\$2,523,329 77

*Assessments appropriated for sinking fund purposes or for current expenses should be entered in the first column.

No entries to be made on this page.

See STATE REPORT

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			\$2,523,329 77
8. DEPARTMENT			
8a. General Government			
Legislative			
31. Aldermen and Council; Moder- ator			
Executive			
32. Mayor; Commission; Selectmen			
Financial			
33. Auditor, Accountant, and Aud iting			
34. Treasurer	\$3,263 25		
35. Collector			
36. Assessors			
37. License Commissioners			
38. Other Finance Offices and Ac counts			
Other General Departments			
39. Law			
40. City or Town Clerk	\$1,450 50		
General Goverment forward.....	\$4,713 75		
Total forward			\$2,523,329 77

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
1. DEPARTMENTAL			
1a. General Government			
Legislative			
1. Aldermen and Council; Moderator			
a. Salaries and Wages	\$5,227 37		
b. Other Expenses	\$5,970 77		
Executive			
2. Mayor; Commission; Selectmen			
a. Salaries and Wages	7,093 99		
b. Other Expenses	888 07		
Financial			
3. Auditor, Accountant, and Auditing			
a. Salaries and Wages.....	6,057 13		
b. Other Expenses	567 44		
4. Treasurer			
a. Salaries and Wages	13,076 06		
b. Other Expenses	4,410 67		
5. Collector			
a. Salaries and Wages.....			
b. Other Expenses			
6. Assessors			
a. Salaries and Wages.....	15,943 87		
b. Other Expenses	2,798 27		
License Commissioners			
a. Salaries and Wages.....			
b. Other Expenses			
8. Other Finance Offices and Accounts			
a. Sinking Fund Commissioners			
b. Miscellaneous	1,856 00		
Other General Departments			
9. Law			
a. Salaries and Wages	4,247 00		
b. Other Expenses	567 80		
10. City or Town Clerk			
a. Salaries and Wages	7,854 53		
b. Other Expenses	1,083 91		
General Government forward..	\$77,642 88		
Total forward			

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			\$2,523,329 77
General Government forward..	4,713 75		
41. City Messenger			
42. Public Works			
43. Engineering			
44. Superintendent of Buildings...			
45. Election and Registration....	15 85		
46. Other General Departments...			
Municipal Buildings			
47. City or Town Hall	5 00		
Total from General Government	\$4,734 60		\$4,734 60
8b. Protection of Persons and Prop- erty			
Police Department			
48. Services of Officers			
49. Sale of Materials			
Miscellaneous	\$50 85		
Protection of Persons and Prop- erty forward	\$50 85		
Total forward			\$2,528,064 37

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			
General Government forward	\$77,642 88		
11. City Messenger			
a. Salaries and Wages	2,117 28		
b. Other Expenses	287 70		
12. Public Works			
a. Salaries and Wages			
b. Other Expenses			
13. Engineering			
Salaries and Wages	4,500 12		
b. Other Expenses	536 25		
14. Superintendent of Buildings			
a. Salaries and Wages	3,251 00		
b. Other Expenses	935 56		
15. Election and Registration			
a. Salaries and Wages	12,873 01		
b. Other Expenses	8,095 22		
16. Other General Departments			
a. Civil Service Registration...	323 02		
Municipal Buildings			
17. City or Town Hall			
a. Salaries and Wages	13,006 15		
b. Other Expenses	9,696 79		
Total for General Government.	\$133,264 98		\$133,264 98
1b. Protection of Persons and Property			
Police Department			
18. Salaries and Wages	\$197,602 84		
19. Horses and Care of Same....	706 29		
20. Equipment and Repairs.....	2,871 06		
21. Fuel and Light	878 76		
22. Maintenance of Buildings and Grounds	363 79		
23. New Buildings			
24. Other Expenses	2,283 79		
Protection of Persons and Property forward	\$204,706 53		
Total forward			\$133,264 98

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			2,528,064 37
Protection of Persons and Prop- erty forward	\$50 85		
Fire Department			
51. Sale of Materials			
52. Miscellaneous			
Commissioner of Public Safety			
52. a. Sale of Materials	25 00		
Militia			
53. Armories			
54. Rifle Ranges			
Inspection			
55. Inspection of Buildings			
56. Inspection of Wires			
57. Sealing of Weights and Meas- ures	850 39		
Forestry			
58. Insect Pest Extermination ...	43 25		
59. Planting and Trimming Trees.			
60. Forest Fires			
Other Protection of Persons and Property			
61. Bounties			
62.			
63.			
Total from Protection of Persons and Property	\$969 49		\$969 49
Total forward			\$2,529,033 86

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			\$133,264 98
Protection of Persons and Prop- erty forward	\$204,706 53		
Fire Department			
25. Salaries and Wages	145,519 28		
26. Horses and Care of Same	6,488 89		
*27. Equipment and repairs	9,406 94	\$766 00	
28. Hydrant Service			
29. Fuel and Light	3,974 59		
30. Maintenance of Buildings and Grounds	3,963 82		
*31. New Buildings		1,250 84	
32. Other Expenses	575 20		
Commissioner Public Safety			
32. a. Salaries	5,632 02		
32. b. General Expenses	2,499 88	6,400 00	
Militia			
33. Armories			
34. Rifle Ranges	2,372 41		
Inspection			
35. Inspection of Buildings	6,645 10		
36. Inspection of Wires			
37. Sealing of Weights and Meas- ures	6,120 89		
Forestry			
38. Insect Pest Exterminations ...			
39. Planting and Trimming Trees	15,392 40		
40. Forest Fires			
Other Protection of Persons and Property			
41. Bounties			
44.			
42. Fish and Game Warden	50 00		
43. Fire and Police Telegraph and Inspection of Wires	17,742 57		
Total for Protection of Persons and Property	\$431,090 52	\$8,416 84	\$439,507 36
Total forward			\$572,772 34

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			\$2,529,033 86
8c. Health and Sanitation			
Health			
64. Quarantine and Contagious Disease Hospitals	\$3,487 25		
65. Tuberculosis	17,056 98		
66. Miscellaneous	524 67		
67. Inspection			
Sanitation			
68. Sewers and Sewage Disposal ..	49 78		
69. Sewer Construction		\$13 46	
70. Refuse and Garbage Disposal..	13,389 32		
71. Street Cleaning			
Other Health and Sanitation			
72.			
73.			
Total from Health and Sanitation	\$34,508 00	\$13 46	\$34,521 46
Total forward			\$2,563,555 32

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			\$572,772 34
1c. Health and Sanitation			
Health			
45. General Administration	\$7,618 32		
*46. Quarantine and Contagious Disease Hospitals	22,033 13		
*47. Tuberculosis	28,692 38	\$281 01	
48. Vital Statistics	1,101 50		
49. Other Expenses	6,585 32		
50. Inspection			
a. Inspection of School Children	3,849 41		
b. Inspection of Animals	1,152 69		
c. Inspection of Meat and Pro- visions	2,275 00		
d. Inspection of Milk and Vinegar	3,711 92		
Sanitation			
51. Sewer Maintenance and Opera- tion	16,279 15		
52. Metropolitan Sewer Maiten- ance	41,997 90		
*53. Sewer Construction		48,461 42	
*54. Refuse and Garbage Disposal..	113,015 22		
*55. Street Cleaning	56,967 27		
Other Health and Sanitation			
*56. Sanitaries and Public Conven- ience Stations	24 48		
57. Care of Brooks and Streams...			
58. Draining of Ponds			
59. Abatement of Smoke Nuisance Tax	476 58		
Total for Health and Sanitation.	\$305,780 27	\$48,742 43	\$354,522 70
Total forward			\$927,295 04

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			\$2,563,555 32
8d. Highways			
74. General	\$1,401 99		
75. Construction			
76. Sidewalks and Curbing	1,483 88		
77. Snow and Ice Removal			
78. Sprinkling			
a. Water	113 28		
b. Other			
79. Lighting			
80. Miscellaneous			
Total from Highways	\$2,999 15		\$2,999 15
8e. Charities			
81. Almshouse or Town Farm ...			
a. Sale of Produce and Stock .	\$3,441 39		
b. Board	223 72		
c. Miscellaneous	62 23		
82. Reimbursements for Relief Given			
a. From Individuals	119 03		
b. From Other Cities and Towns	3,914 65		
c. From the State	12,633 17		
83. Reimbursements for Mothers' Aid			
a. From Individuals			
b. From Other Cities and Towns			
c. From the State			
84. Municipal General Hospitals...			
85. Miscellaneous			
Total from Charities	\$20,394 19		\$20,394 19
Total forward			\$2,586,948 66

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			\$927,295 04
1d. Highways			
60. General Administration	\$7,448 37		
61. General Highway Expenditures	119,284 85	\$423 23	
*62. Construction		256,768 87	
*63. Sidewalks and Curbing	6,974 31	13,303 58	
64. Snow and Ice Removal	7,121 79		
*65. Sprinkling			
a. Water	17,298 67		
b. Other	22,378 72		
66. Lighting	72,710 89		
67. Other Expenses			
a. Town Pump			
b. Signs, Guide Boards, and Street Numbering	72 34		
Total for Highways	\$253,289 94	\$270,495 68	\$523,785 62
1e. Charities			
68. General Administration	\$5,659 81		
*69. Almshouse or Town Farm	39,560 03	\$1,623 00	
70. Outside Relief by City or Town	36,302 36		
71. Relief given by Other Cities and Towns	2,472 35		
72. Mothers' Aid			
a. Relief given by City or Town	27,843 00		
b. Relief given by Other Cities and Towns.....	566 43		
73. Hospitals			
a. Municipal General		59,137 20	
b. Private or Quasi-public ...			
74. Other Expenses			
Total for Charities	\$112,403 98	\$60,760 20	\$173,164 18
Total forward			\$1,624,244 84

Schedule A-IV--Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			\$2,586,948 66
8f. Soldiers' Benefits			
86. State Aid	\$10,396 00		
87. Military Aid	209 00		
88. Soldiers' Burials	722 00		
89. Soldiers' Relief	60 00		
Total from Soldiers' Benefits	\$11,387 00		\$11,387 00
8g. Schools			
90. Tuition and Transportation of State Wards			
91. Other Tuition	\$5,273 00		
92. Sale of Text Books and Sup plies	2,125 33		
93. Miscellaneous	196 51		
Total from Schools	\$7,594 84		\$7,594 84
8h. Libraries			
94. Fines, Rentals, and Sales	\$1,015 43		
95. Miscellaneous			
Total from Libraries	\$1,015 43		\$1,015 43
Total forward			\$2,606,945 93

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			\$1,624,244 84
1f. Soldiers' Benefits			
75. General Administration	\$983 61		
76. State Aid	12,442 00		
77. Military Aid	468 00		
78. Soldiers' Burials	294 00		
79. Soldiers' Relief	17,603 87		
Total for Soldiers' Benefits	\$31,791 48		\$31,791.48
1g. Schools			
80. General Expenses			
a. Administrative Salaries	\$9,350 00		
b. Other General Salaries	11,653 42		
c. Other General Expenses	3,289 79		
81. Teachers' Salaries	495,143 66		
82. Text Books and Supplies	25,278 31		
83. Tuition	90 00		
84. Transportation	385 20		
85. Support of Truants	339 72		
86. Janitors' Services	54,065 43		
87. Fuel and Light	22,242 35		
88. Maintenance of Buildings and Grounds	8,310 24		
*89. New Buildings		\$36,723 44	
*90. Furniture and Furnishings ...	987 52		
91. Rent			
92. Other Expenses			
Total for Schools	\$632,402 40	\$36,723 44	\$669,125 84
1h. Libraries			
93. Salaries and Wages	\$18,548 52		
94. Books, Periodicals, etc.	7,800 78		
95. Binding	1,807 16		
96. Fuel and Light	1,695 44		
*97. Buildings	2,850 00		
98. Other Expenses	2,023 59		
Total for Libraries	\$34,725 49		\$34,725 49
Total forward			\$2,359,887 65

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			\$2,359,887 65
11. Recreation			
99. General Administration			
a. Salaries and Wages	\$2,918 52		
b. Other Expenses	\$9,354 34		
100. Parks and Gardens			
a. Salaries and Wages	18,370 81		
*b. Improvements and Additions		\$33,733 86	
c. Metropolitan Park Main-			
tenance	44,026 26		
d. Other Expenses			
101. Playgrounds and Gymnasia ...			
a. Salaries and Wages	3,117 00		
*b. Improvements and Additions		21,102 55	
c. Other Expenses	5,042 07		
102. Bathhouses and Beaches			
a. Salaries and Wages	2,156 50		
*b. Improvements and Additions			
c. Other Expenses			
103. Celebrations and Entertain-			
ments			
a. Fourth of July	1,303 60		
b. Labor Day	298 82		
c. Band Concerts			
d. All Other	96 00	401 49	
Total for Recreation	\$86,683 92	\$55,237 90	\$141,921 82
Total forward			\$2,501,809 47

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			\$2,609,096 87
8j. Pensions			
100.			
Total from Pension			
8k. Unclassified			
101. Receipts not Recorded under Previous Classifications			
a. Sale of Old Buildings	\$706 00		
b. Sale of Otis School	5,855 00		
c. Rent of House, Doyle Estate	68 00		
d. Rent of sign boards	60 00		
e. Rent of Land, Harvard Col lege	2,400 00		
Total from Unclassified	\$9,089 00		\$9,089 00
Total forward			\$2,618.185 87

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			\$2,501,809 47
1j. Pensions			
104. Retirement made from:—			
a. Clerk of Committees' Department	\$300 00		
b. Street Department.....	3,547 97		
c. School Department.....	11,316 18		
d. Department.....			
e. Department.....			
f. Department.....			
g. Department.....			
h. Department.....			
i. Department.....			
j. Department.....			
k. Department.....			
l. Department.....			
Total for Pension	\$15,164 15		\$15,164 15
1k. Unclassified			
105. Damages to Persons and Personal Property	\$3,499 25		
106. Memorial Day	1,200 00		
107. City and Town Clocks	63 50		
108. Searching Parties			
109. Ice for Drinking Fountains...	747 68		
110. Payments not Recorded under Previous Classifications			
a. City Documents	783 15		
b. Auditing Special	3,098 03		
c. Daniel Haggerty Funeral ..	1,111 42		
d. Free Employment Bureau..	272 10		
e. Planning Board	460 15		
f. Industrial Commission . .	300 00		
g. Increase in Stock	429 85		
Total for Unclassified	\$11,965 13		\$11,965 13
Total forward			\$2,528,938 75

Schedule A-IV—Continued

RECEIPTS.

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			\$2,618,185 87
9. PUBLIC SERVICE ENTERPRISES			
102. Electric			
a. Income from Sale of Light and Power			
b. Miscellaneous			
103. Gas			
a. Income from Sale of Gas ...			
b. Sale of By-products (coke, tar, etc.)			
c. Miscellaneous			
104. Water			
a. Income from Sale of Water.	\$396,686 61		
b. Miscellaneous	12,419 74	\$5,471 52	
105. All Other			
a. Markets			
b. Public Scales	4 92		
c. Docks and Wharves			
d. Ferries			
e. Herring and Alewife Fisheries			
f. Miscellaneous			
Total from Public Service Enter- prises	\$409,111 27	\$5,471 52	\$414,582 79
10. CEMETERIES			
106. Sale of Lots and Graves	\$8,182 00		
107. Care of Lots and Graves	12,570 31		
108. Care of Endowed Lots (Inter- est on Funds)			
109. Miscellaneous			
Total from Cemeteries	\$20,752 31		\$20,752 31
11. ADMINISTRATION OF TRUST FUND			
110.			
111.			
112.			
Total from Administration of Trust Funds			
Total forward			\$3,053,520 97

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			\$2,528,938 75
2. PUBLIC SERVICE ENTERPRISES			
111. Electric			
a. Maintenance and Operation.			
*b. Construction			
112. Gas			
a. Maintenance and Operation.			
*b. Construction			
113. Water			
a. Maintenance and Operation.	\$152,830 51		
b. Metropolitan Water Main- tenance			
*c. Construction		\$24,887 66	
114. All Other			
a. Markets			
b. Public Sales			
c. Docks and Wharves			
d. Ferries			
e. Herring and Alewife Fishe- ries			
f. Miscellaneous			
Total for Public Service Enter- prises	\$152,830 51	\$24,887 66	\$177,718 17
3. CEMETERIES			
115. Maintenance	\$17,819 78		
*116. Improvements and Additions..		\$1,586 85	
Total for Cemeteries	\$17,819 78	\$1,586 85	\$19,406 63
4. ADMINISTRATION OF TRUST FUNDS			
117.			
118.			
119.			
Total for Administration of Trust Funds			
Total forward			\$2,726,063 55

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Indebtedness	Total
Total forward			\$3,053,520 97
12. INTEREST			
113. On Deposits	\$5,606 94		
114. On Deferred Taxes	19,861 92		
115. On Deferred Special Assessments	199 49		
116. On Sinking Funds			
117. On Investment Funds			
118. On Public Trust Funds*			
a. Charity			
b. School			
c. Library			
d. Cemetery (for General Care)			
e. All Other			
119. Miscellaneous on Rent Land, Harvard College	15 60		
Total from Interest	\$25,683 95		\$25,683 95
13. MUNICIPAL INDEBTEDNESS			
120. Loans in Anticipation of Revenue		\$1,145,000 00	
121. Other Temporary Loans			
122. Loans for General Purposes ..		448,000 00	
123. Trust Funds Used			
124. Loans for Public Service Enterprises		45,000 00	
125. Loans for Cemeteries			
126. Bonds Refunded, Current Year			
127. Premiums	\$3,558 54		
128. Unpaid Warrants or Orders of Current Year			
Total from Municipal Indebtedness	\$3,558 54	\$1,638,000 00	\$1,641,558 54
Total forward			\$4,720,763 46

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Indebtedness	Total
Total forward			\$2,726,063 55
5. INTEREST			
120. On Loans in Anticipation of Revenue	\$13,518 04		
121. On Other Temporary Loans..	341,270 95		
122. On Loans for General Purposes	1,500 00		
123. On Trust Funds Used	111,037 75		
124. On Loans for Public Service Enterprises	280 00		
125. On Loans for Cemeteries			
126. Metropolitan Interest Re- quirements			
a. Sewer	48,539 45		
b. Park	56,143 15		
c. Water			
127. State Assessment for Interest on Account of Abolition of Grade Crossings			
128. All Other			
Total for Interest	\$572,289 34		\$572,289 34
6. MUNICIPAL INDEBTEDNESS			
129. Loans in Anticipation of Revenue		\$895,000 00	
130. Other Temporary Loans			
131. Bonds and Notes from Sinking Funds		165,000 00	
a. General			
b. Public Service Enterprises..			
c. Cemeteries			
132. Bonds and Notes from Revenue			
a. General	\$31,550 00		
b. Public Service Enterprises..	19,000 00		
c. Cemeteries			
133. Metropolitan Sinking Fund and Serial Loan Requirements.			
a. Sewer	23,803 79		
b. Park	10,266 99		
c. Water			
134. State Assessment for Aboli- tion of Grade Crossings Loan Fund			
135. Bonds Refunded, Current Year			
136. Warrants or Orders of Pre- vious Years			
Total for Municipal Indebtedness	\$84,620 78	\$1,060,000 00	\$1,144,620 78
Total forward			\$4,442,973 67

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS		Non- Revenue	Total
Total forward			\$4,720,763 46
14. SINKING FUNDS			
From Commissioners to meet Loans for:—			
129. General Purposes		\$165,000 00	
130. Public Service Enterprises ...			
131. Cemeteries			
Total from Sinking Funds		\$165,000 00	\$165,000 00
		Temporary Accounts	
15. AGENCIES, TRUST, AND IN- VESTMENT TRANSACTIONS			
Agency			
132. Taxes			
a. State		\$230,037 50	
b. Non resident Bank		4,488 86	
c. County		126,152 80	
133. Liquor Licenses Collected for the State		15 25	
134. Reimbursements for Abolition of Grade Crossings			
135. All Other			
Trust			
136. Perpetual Care Funds		3,357 50	
137. Other Permanent Public Trust Funds			
138. Income for Investment ...			
139. Private Trust Funds and Ac- counts			
a. Guarantee Deposits			
b. Protested Taxes and Assess- ments		7,725 01	
c. Tailings			
d. All Other			
Investment			
140. Sinking Fund Securities			
141. Investment Fund Securities ..			
Total from Agency, Trust, and Investment Transactions		\$371,776 92	\$371,776 92
Total forward			\$5,257,540 38

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	From Revenue	From Non- Revenue	Total
Total forward			\$4,442,973 67
7. SINKING FUNDS			
To Commissioners for Debt Require- ments			
137. From Taxes, Earnings, etc. ..	\$387,516 62		
138. From Special Assessments ...			
139. From Sale of Real Estate, etc..			
Total for Sinking Fund	\$387,516 62		\$387,516 62
		Temporary Accounts	
8. AGENCIES, TRUST AND INVEST- MENT TRANSACTIONS			
Agency			
140. Taxes			
a. State		\$230,037 50	
b. Non-resident Bank		4,488 86	
c. County		126,152 80	
141. Liquor Licenses Remitted to the State		15 25	
142. Abolition of Grade Crossings..			
143. All Other			
Trust			
144. Perpetual Care Funds		3,357 50	
145. Other Permanent Public Trust Funds			
146. Income Invested			
147. Private Trust Funds and Ac- counts			
a. Return of Guarantee De- posits			
b. Return of Protested Taxes and Assessments		12,175 26	
c. Tailings			
d. All Other			
Investment			
148. Sinking Fund Securities			
149. Investment Fund Securities ..			
Total for Agency, Trust, and In- vestment Transactions		\$376,227 17	\$376,227 17
Total forward			\$5,206,717 46

Schedule A-IV—Continued

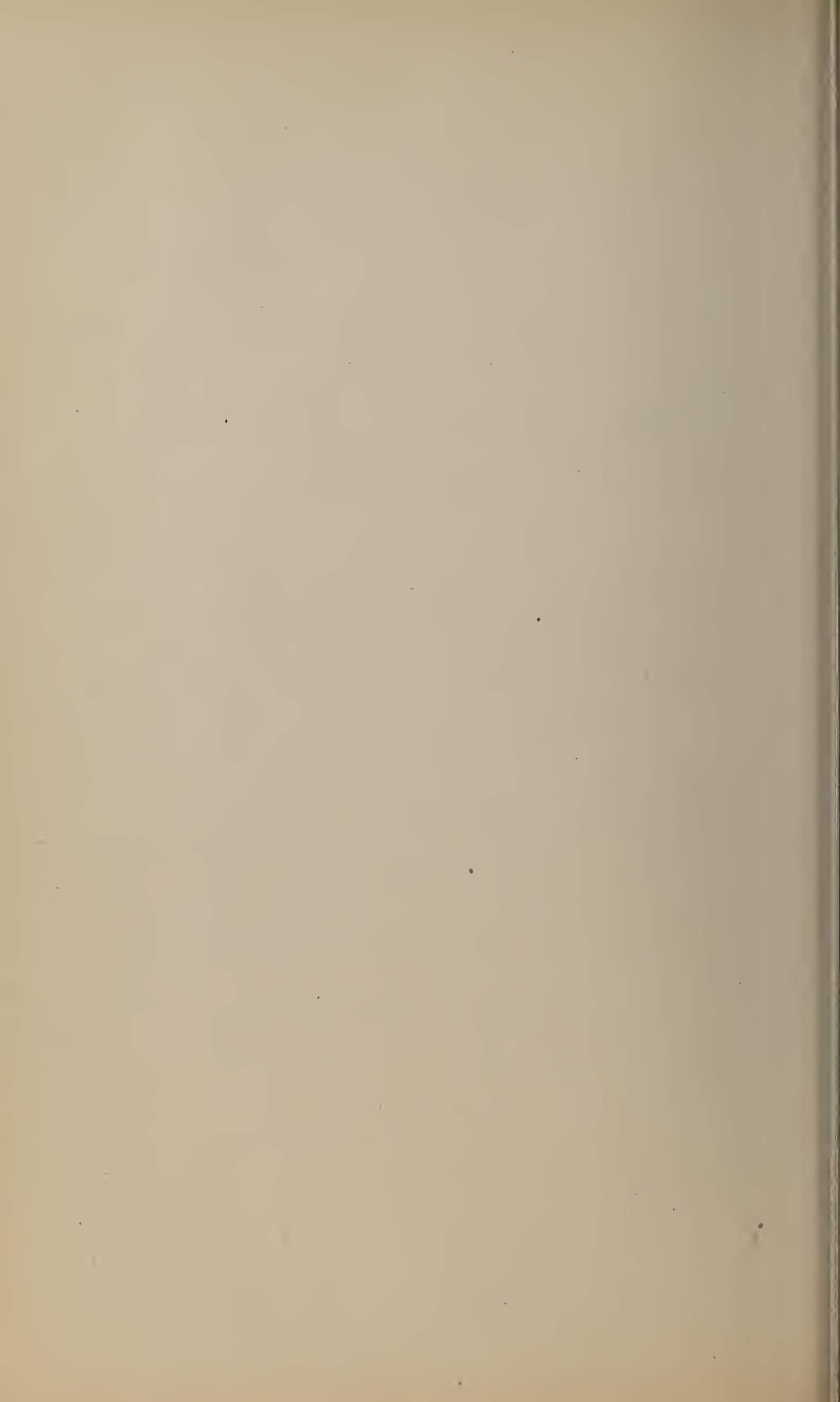
RECEIPTS

SOURCES OF RECEIPTS		Temporary Accounts and Cash Balances	Total
Total forward			\$5,257,540 38
16. REFUNDS			
142. Taxes		\$74,955 89	
143. Licenses		82 95	
144. Special Assessments		151 72	
145. General Departments		1,950 95	
146. Public Service Enterprises ..		5,491 28	
147. Cemeteries			
148. Accrued Interest		631 43	
149. All Other			
Total Refunds		\$83,264 22	\$83,264 22
17. TRANSFERS			
150. Departmental			
a. Treasury from Water		\$1,500 00	
b. Law from Water		1,000 00	
c. City Home from State Aid..		109 62	
d. Cemetery from Sundry De- partments		374 00	
e. Forestry from Sundry De- partments		54 16	
f. Sewer from Sundry Depart- ments		12 00	
g. Street from Sundry Depart- ments		299 29	
h. Water from Sundry Depart- ments		524 89	
i. Postage and Stationery from Sundry Departments		1,622 26	
Total Transfers		\$5,496 22	\$5,496 22
18. BALANCES			
151. General			
152. Sinking Fund		\$10,605 67	
153. Investment Fund			
154. Public Trust Fund		461 07	
155. Private Trust Funds and Ac- counts			
Total Cash on Hand Beginning of Year		\$11,066 74	\$11,066 74
Grand Total Receipt and Cash on Hand			\$5,357,367 56

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Temporary Accounts and Cash Balances	Total
Total forward		\$5,206,717 46
9. REFUNDS		
150. Taxes	\$74,955 89	
151. Licenses	82 95	
152. Special Assessments	151 72	
153. General Departments	1,950 95	
154. Public Service Enterprises	5,491 28	
155. Cemeteries		
156. Accrued Interest	631 43	
157. All Other		
Total Refunds	\$83,264 22	\$83,264 22
10. Departmental		
a. Water to Treasury	\$1,500 00	
b. Water to Law	1,000 00	
c. State Aid to City Home	109 62	
d. Sundry to Cemetery Dept..	374 00	
e. Sundry to Forestry Dept...	54 16	
f. Sundry to Sewers Dept. ...	12 00	
g. Sundry to Street	299 29	
h. Sundry to Water	524 89	
i. Sundry to Postage Station- ery	1,622 26	
Total Transfers	\$5,496 22	\$5,496 22
11. BALANCES		
159. General	\$61,428 59	
160. Sinking Fund		
161. Investment Fund		
162. Public Trust Fund	461 07	
163. Private Trust Funds and Ac- counts		
Total Cash on Hand End of Year	\$61,889 66	\$61,889 66
Grand Total Payments and Cash on Hand		\$5,357,367 56



Schedule A-V

APPROPRIATIONS, RECEIPTS AND PAYMENTS

CITY INCOME.

Departmental:—

- General Government.
- Protection of Life and Property.
- Health and Sanitation.
- Highways and Bridges.
- Charities.
- Soldiers' Benefits.
- Education.
- Libraries.
- Recreation.
- Unclassified.

Public Service Enterprises:—

- Water Works
- Cemeteries.

Administration of Invested Funds.

Interest.

Sinking Fund

Abatements, Taxes.

CITY INCOME

RECEIPTS—Including Taxes and Loans

Statement in Detail of all the Income Taxes and Loans Received on Account
of the City of Cambridge During the Financial Year 1914-1915

TAXES

Taxes of 1914	\$2,378,058 30	
Taxes of 1913	239,534 19	
Taxes of 1912	37,447 50	
Taxes of previous years	22 00	
From Commonwealth, for city's proportion of tax on corporations	159,913 74	
From Commonwealth, for city's proportions of tax on banks	15,498 17	
Street railway tax, including Boston Elevated R. R... ..	63,012 14	
		<u>\$2,893,486 04</u>

LICENSES AND PERMITS

For druggists' liquor licenses	\$61 00	
Elevator operators' licenses	64 00	
Dance and amusement licenses	972 00	
Hawker's and pedlers' licenses	125 00	
Milk and vinegar licenses	349 00	
Licenses issued by City Clerk:		
Auctioneers	\$34 00	
Intelligence Offices	81 00	
Lord's Day (ice cream, etc.)	450 00	
Pawnbrokers and small loans	200 00	
Pedlers	305 00	
Pool and bowling alleys	148 00	
Private detectives	20 00	
Junk stores and collectors	1,397 50	
Wagon, carriage and drivers	425 50	
Gasoline	19 00	
Slaughtering	1 00	
Merry-go-round	2 00	
Sausage factory	1 00	
Transportation	70 00	
Marriage	1,420 00	
		<u>\$4,574 00</u>
		<u>\$6,145 00</u>
Newspaper licenses:		
Police Department	\$66 30	
School Department	164 00	
		<u>\$230 30</u>
		<u>\$6,145 00</u>

EXPENDED

For payments to State on account of liquor licenses...	\$15 25	
Police Department Refunds	\$21 45	
School Department Refunds	61 00	
		<u>\$82 95</u>
		<u>\$98 20</u>

Amount carried forward \$2,899,631 04

City Income--Continued

Amount brought forward \$2,899,631 04

COURT FINES

For fines from Third District Court	\$2,060 17	
Fines from House of Correction	1,069 94	
	<hr/>	3,130 11

DOG LICENSES FROM COUNTY

From county for libraries	\$3,263 42	
	<hr/>	3,263 42

STREET SPRINKLING ASSESSMENTS

For street sprinkling, 1914	\$39,586 58	
Street sprinkling, 1913	3,258 31	
Street sprinkling, 1912	589 76	
	<hr/>	33,434 65

MOTH EXTERMINATION ASSESSMENTS

For moth assessments, 1914	\$2,478 71	
Moth assessments, 1913	209 56	
Moth assessments, 1912	19 32	
	<hr/>	2,707 59

ELECTION EXPENSES, CITY CLERK'S DEPARTMENT

For sale of waste paper, etc.	\$15 85	
	<hr/>	15 85

CITY CLERK'S DEPARTMENT

For recording cemetery deeds	\$5 75	
Certificates from records	214 75	
Recording dog licenses	293 60	
Recording liquor licenses	62 00	
Married women's certificates	9 25	
Mortgages, assignments, etc.	760 05	
Witness fees	19 70	
Business certificates	23 50	
Junk collectors' badges	37 25	
Copies of grants for Corporations	8 00	
Revised ordinances	9 50	
Telephone fees	7 15	
	<hr/>	1,450 50

LAW DEPARTMENT

Legal advice and services of City Solicitor to Water Department	\$1,000 00	
Overpayment made in bill	5 13	
	<hr/>	1,005 13

TREASURY DEPARTMENT

Tax sale:		
Preparation	\$166 00	
Advertising	327 50	
Deeds	326 00	
Descriptions	13 50	

Amount carried forward \$2,944,638 29

City Income--Continued

<i>Amount brought forward</i>		\$2,944,638 29
Posting	183 00	
Recording	27 30	
Releases	82 00	
Fees	3 00	
Certificates of liens (Chap. 378, Acts of 1907)...	221 00	
Affidavits	1 60	
Printing	50	
Taxes--Summonses	1,911 85	
Services of department in collection of water rates, etc., Water Department	1,500 00	
		<hr/> 4,763 25

MUNICIPAL BUILDINGS

For rent of ward room	\$6 00	
Dwellings	706 00	
Old gas globes	5 00	
		<hr/> 717 00

BUILDING PERMITS

For buildings permits	\$646 00	
		<hr/> 646 00

POSTAGE AND STATIONERY

For stationery furnished to:		
Assessors' Department	\$65 15	
Auditing Department	28 65	
Boston and Cambridge Bridges	6 00	
Cemetery Department	50 70	
City Clerk's General	147 09	
City Council Expenses	83 80	
City Messenger's Department	49 33	
Clerk of Committees' Department	46 03	
Election Expenses City Clerk	180 13	
Election Expenses Registrars of Voters	81 84	
Engineering Department	13 91	
Executive Department	118 74	
Fire Department	13 55	
Free Employment Bureau	1 78	
Health Department General	50 11	
Health Department Diphtheria Hospital	15	
Health Department Tuberculosis Hospital	1 43	
Inspection of Milk and Vinegar	3 12	
Modified Milk Department	1 84	
Inspection of Buildings	15 56	
Law Department	14 45	
City Home	28 00	
Outside Aid	31 20	
Central Library	102 00	
Cambridgeport Branch Library	21 00	
East Cambridge Branch Library	10 00	
North Cambridge Branch Library	21 00	
Electrical Department	26 50	

<i>Amount carried forward</i>		\$2,950,764 54
-------------------------------------	--	----------------

City Income—Continued

Amount brought forward		\$2,950,764 54
Street Lighting	2 86	
Park General	93 81	
Park Department, Forestry	50 00	
Police Department	3 28	
Sewer Maintenance	17 62	
State Aid	17 33	
Street Maintenance	86 62	
Sealer of Weights and Measures	11 40	
Street Sprinkling	92	
Commissioner of Public Safety	6 30	
Water Maintenance	94 51	
Water, Hobbs' Brook Reservoir	50	
Water, Stony Brook Reservoir	50	
Treasury Department	23 55	
		<hr/>
		1,622 26

COMMISSIONER OF PUBLIC SAFETY

For transmitter on Automobile	\$25 00	
Police Division:		
Minors' Licenses	66 30	
Refund of salary	19 25	
		<hr/>
		110 55

ELECTRICAL DEPARTMENT

For lighting Harvard Square, as per agreement with Harvard Square Business Men	\$1,888 00	
		<hr/>
		1,888 00

SEALER OF WEIGHTS AND MEASURES

For fees for sealing	\$790 39	
Weighing fees at public scales	4 92	
Sale of old material	60 00	
		<hr/>
		855 31

MOTH EXTERMINATION BILLS

For cleaning trees:		
Sundry departments	\$27 16	
Individuals	70 25	
		<hr/>
		97 41

HEALTH DEPARTMENT

For board at Tuberculosis Hospital:		
Sundry persons	\$539 72	
Other cities and towns	2,916 90	
Commonwealth of Massachusetts..	2,179 83	
		<hr/>
		5,636 45
Trustees of Hospital for individuals at Tuberculosis Hospital		11,420 53
Board at Diphtheria Hospital:		
Sundry persons	\$56 86	
Other cities and towns	285 71	

Amount carried forward \$2,955,338 07

City Income--Continued

<i>Amount brought forward</i>		\$2,955,338 07	
Commonwealth of Massachusetts..	342 89		
	<hr/>	725 46	
Board at other institutions:			
Sundry persons	\$387 64		
Other cities and towns	883 54		
Commonwealth of Massachusetts...	1,490 61		
	<hr/>	2,761 79	
Sale of old material		1 65	
		<hr/>	20,545 88
MODIFIED MILK			
For sale of modified milk		\$523 02	
		<hr/>	523 02
MUNICIPAL HOSPITAL			
For rent of buildings		68 00	
		<hr/>	68 00
SEWER MAINTENANCE			
For material, etc.		\$61 78	
		<hr/>	61 78
SEWER CONSTRUCTION			
For catch basin		\$13 46	
		<hr/>	13 46
HOUSE OFFAL			
For sale of offal		\$12,489 32	
		<hr/>	12,489 32
BOSTON AND CAMBRIDGE BRIDGES			
For sale of junk		\$2 10	
		<hr/>	2 10
INCINERATORS			
For rent of incinerator		\$900 00	
		<hr/>	900 00
STREET MAINTENANCE			
For annual charge for railroad track		\$400 00	
Horseshoeing		54 78	
Old material, etc.		1,265 72	
Permits		25 00	
Resurfacing and repaving private way		751 02	
Settlement of damages by individual		378 68	
Rent of signboard, incinerator lot, Main Street..		60 00	
		<hr/>	2,935 20
STREET SPRINKLING			
For watering private ways		\$113 28	
		<hr/>	113 28
<i>Amount carried forward</i>			\$2,992,990 11

City Income—Continued

Amount carried forward \$2,992,990 11

SIDEWALK REPAIRS

For constructing driveways, etc. \$1,483 88
 1,483 88

CITY HOME

For board:
 Soldiers' Relief Department \$76 41
 Sundry persons 256 93
 Reimbursements by individuals 22 00
 Sale of material:
 Grease and bones 48 54
 Barrells 10 88
 Miscellaneous 2 81
 417 57

CITY HOME HOSPITAL

For board:
 From Commonwealth of Massachusetts..... \$5 00
 Other cities and towns 204 99
 209 99

CITY FARM

For sale of produce, etc. \$3,441 39
 3,441 39

OUTSIDE AID

For reimbursements:
 From individuals \$97 03
 From other cities and towns 3,709 66
 From the State 12,628 17
 Cash returned from Cash aid and Mothers' Aid
 Pay rolls 385 96
 16,820 82

SOLDIERS' BENEFITS

From State Aid:
 From the State \$10,396 00
 Money refunded 22 00
 10,418 00
 Military Aid:
 From the State 209 00
 Money refunded 20 00
 229 00
 Soliders' Relief:
 Town of Watertown \$60 00
 Money refunded 17 00
 77 00
 Soldiers' burials:
 From the State 722 00
 11,446 00

SCHOOLS, TUITION, SALES, ETC.

For tuition of minor wards, City of Boston \$82 00
 From state for vocational schools 5,421 96
 Amount brought forward \$3,026,809 76

City Income—Continued

Amount brought forward \$3,026,809 76

SCHOOL, TUITION, SALES, ETC.—Concluded

Tuition of non-resident pupils:		
At Rindge Technical School...	\$870 00	
At High and Latin School....	512 00	
At Trade School for Girls....	52 00	
At Rindge Technical School, by Harvard College for stu- ents' summer session.....	3,597 00	
		5,031 00
Tuition at High School, Hopkins Fund	160 00	
Sales from stock	265 18	
Sale of books and materials	684 58	
Sale of packing cases and sundries	21 26	
Sale of caps, Thorndike School Baths	8 22	
Sale of food, Thorndike School	27 60	
Sale at Trade School	1,139 75	
Salary returned, Teachers'	260 19	
Overpayments and refunds on bills	455 66	
Deposits, Evening High School, forfeited	67 00	
Use of school halls for rallies, etc.	72 75	
Sale of minors' licenses	164 00	
		13,861 15
Less refund on minors' licenses.....	\$61 50	

SALE OF SCHOOLHOUSE

For sale of Otis School	\$5,855 00	
		5,855 00

LIBRARY FINES, ETC.

For library fines, etc.	\$1,015 43	
		1,015 43

PARK DEPARTMENT RENTS

For rent Weld Boat House	\$500 00	
Sale of wagon	9 75	
Sale of creosote of lead	27 00	
		536 75

PARK DEPARTMENT CAMBRIDGE FIELD SHELTER

For use of towels at shelter	\$252 50	
		252 50

PARK DEPARTMENT RINDGE FIELD SHELTER

For use of towels at shelter	\$134 14	
		134 14

PARK DEPARTMENT RUSSELL FIELD

For use of towels	\$33 46	
Use of field	160 00	
		193 46

Amount carried forward \$3,048,658 10

City Income—Continued

Amount brought forward \$3,048,658 19

PARK DEPARTMENT BATH HOUSE, CAPTAIN'S ISLAND

For use bathing suits, towels, etc. \$704 52
704 52

PARK DEPARTMENT PLAYGROUNDS MAINTENANCE

For refund on trip to New Jersey, by former play-
 ground commissioners \$14 74
 Gift from Estate of Mchitable Wilson 218 01
232 75

THORNDIKE SCHOOL SHOWER BATHS

For use of towels, etc. \$79 57
79 57

CELEBRATION OF INDEPENDENCE DAY

For advertisements in programs \$250 00
250 00

CEMETERY DEPARTMENT

For sale of lots and graves \$8,556 00
 Burials, care, etc. 12,570 31
 Perpetual care and deeds in trust 3,357 50
24,483 81

INTEREST

For interest on bank deposits \$5,606 94
 Interest on overdue taxes 19,861 92
 Interest on sidewalk assessments 149 11
 Interest on sewer assessments 50 38
 Interest on annual rent land, Harvard College... 15 60
 Accrued interest on bonds 536 43
26,220 38

WATER WORK, RATES, ETC.

For rates, etc. \$402,177 89
 Miscellaneous bills:
 Maintenance \$2,608 47
 Maintenance of buildings 350 75
 Off and on 223 25
 Rent 642 90
 Seals 34 50
 Supply 9,084 76
12,944 63
415,122 52

WATER DEPARTMENT, ACCRUED INTEREST

For accrued interest on water bonds \$95 00
95 00

RENT OF LAND, HARVARD COLLEGE

Rent of leased land \$2,400 00
2,400 00

Amount carried forward \$3,518,246 74

City Income—Continued

Amount brought forward \$3,518,246 74

SPECIAL RECEIPTS

SEWER CONSTRUCTION GENERAL

For sewer assessments \$2,172 23
 2,172 23

EDGESTONES AND SIDEWALKS

For edgestones and sidewalks assessments \$5,763 28
 5,763 28

WATER DEPARTMENT CONSTRUCTION GENERAL

For labor and materials \$5,020 24
 5,020 24

WATER DEPARTMENT "DETECTOR METERS"

For labor and materials \$451 28
 451 28

PREMIUM ACCOUNT

For premium on Municipal bonds \$2,582 04
 Premium on Water bonds 976 50
 3,558 54

MEMORIAL FLAG STAFF

For collection from Daughters of American
 Revolution \$363 50
 363 50

RECEIPTS FROM LOANS

From Bridge loan	\$8,000 00	
Hospital loan	60,000 00	
Park loan	30,000 00	
Municipal loans	10,500 00	
Schoolhouse loan	65,000 00	
Sewer, Separate System loans	45,000 00	
Street loans	229,500 00	
Water loans	45,000 00	
Temporary loans	1,145,000 00	
	<hr/>	
	\$1,638,000 00	
Commission of Sinking Funds	165,000 00	
Tax lien account	7,725 01	
	<hr/>	
		1,810,725 01
		<hr/>
Total		\$5,346,300 82
To cash in treasury, April 1, 1914		11,066 74
		<hr/>
		\$5,357,367 56
		<hr/>

PAYMENTS

GENERAL GOVERNMENT

CITY COUNCIL EXPENSES

Appropriation \$5,000 00

EXPENDED

For salaries:

Clerk of Council	\$500 00	
Reading Clerk	250 00	
Page	125 00	

875 00

Advertising hearings, ordinances, etc.	534 40
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Bonds	33 60
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Books, legal documents, etc.	6 75
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Budgets, calendars, financial reports and manuals	783 15
---	--------

Car tickets	400 00
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City Documents, advertising, printing, and bind- ing (part payment)	878 12
--	--------

Erecting band stand	37 89
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Expenses of Mayor to convention	60 00
---------------------------------------	-------

Gavels, engraving and mounting	7 84
--------------------------------------	------

Inauguration expenses:

Carriage and automobile hire..	\$45 76
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Floral decorations	49 00
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Printing	95 79
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Use of chairs	15 68
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206 23

Locks, keys, etc.	9 16
------------------------	------

Posting and serving notices	95 60
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Posting notices of civil service examinations....	56 50
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Printing and binding	280 51
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Printing revised ordinances	491 03
-----------------------------------	--------

Recording fees	17 77
----------------------	-------

Ringling bells on holidays	84 00
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Spring water	5 88
--------------------	------

Stationery and record books	160 54
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Expenses of committees for:

Carriage and automobile hire...	\$1,508 59
---------------------------------	------------

Dinners and refreshments	940 05
-------------------------------	--------

2,448 64

7,473 61

Excess of expenditure over appropriation	\$2,473 61
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Transfer from Reserve Fund	2,473 61
----------------------------------	----------

General Government—Continued

CLERK ON COMMITTEES' DEPARTMENT

Salaries

Appropriation	\$4,180 00
---------------------	------------

EXPENDED

For salaries of:

Clerk of Committees	\$2,400 00	
Assistant Clerk of Committees	899 47	
Pension of former Assistant Clerk	168 90	
Stenographer	884 00	
Total		4,352 37

Excess of expenditure over appropriation	\$172 37
Transfer from Reserve Fund	172 37

General Expenses

Appropriation	\$300 00
---------------------	----------

EXPENDED

For binding	\$6 37	
Directories	10 50	
Office furniture	52 14	
Stationery, printing and office supplies	124 23	
Subscriptions	10 25	
Telephone service	92 32	
Total		295 81

Surplus of appropriation transferred to Reserve Fund	4 19
--	------

CLERK OF COMMITTEES' PENSIONS

Appropriation from Reserve Fund	\$300 00
---------------------------------------	----------

EXPENDED

For pension former Clerk of Committees.....	\$300 00	
Total		300 00

EXECUTIVE DEPARTMENT

Salaries

Appropriation	\$6,184 00
---------------------	------------

Amount carried forward	\$6,184 00
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General Government—Continued

EXECUTIVE DEPARTMENT (Continued)

Amount brought forward \$6,184 00

EXPENDED

For salaries of:

Mayor, Timothy W. Good	\$3,500 00
Clerk	1,800 00
Stenographer	883 99

Total	6,183 99
-------------	----------

Surplus of appropriation transferred to Reserve Fund.....	01
---	----

General Expenses

Appropriation \$900 00

EXPENDED

For binding	\$7 84
Carriage and automobile hire	323 31
Dinners, etc.	44 64
Directory	6 50
Flag	2 94
Services of stenographer	10 00
Stationery, printing and office supplies	214 08
Subscriptions	9 08
Telephone service	167 22
Typewriter and supplies	94 37
Telegram	67

Total	880 65
-------------	--------

Surplus of appropriation transferred to Reserve Fund	\$19 35
--	---------

LICENSE SUPERVISION

Appropriation \$925 00

EXPENDED

For salaries of inspector	\$900 00
Stationery, printing, etc.	17 42

Total	917 42
-------------	--------

Surplus of appropriation transferred to Reserve Fund	\$7 58
--	--------

AUDITING DEPARTMENT

Salaries

Appropriation	\$5,900 00
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<i>Amount carried forward</i>	\$5,900 00
-------------------------------------	------------

General Government—Continued

AUDITING DEPARTMENT (Continued)

Amount brought forward \$5,900 00

EXPENDED

For salaries of:

Auditor	\$2,500 00
Clerks, permanent	3,318 00
Clerks, temporary	239 13

Total	6,057 13
-------------	----------

Excess of expenditure over appropriation	157 13
Transfer from Reserve Fund	157 13

General Expenses

Appropriation \$400 00

EXPENDED

For use of adding machine	\$25 00
Car tickets	5 00
Expressage	15 00
Printing annual report	235 69
Spring water	7 96
Stationery, printing and office supplies	206 73
Telephone service	69 66
Typewriter repairs	2 40

Total	567 44
-------------	--------

Excess of expenditure over appropriation	167 44
--	--------

Transfer from Reserve Fund	167 44
----------------------------------	--------

AUDITING SPECIAL

Appropriation from Reserve Fund \$3,098 03

EXPENDED

For express and freight	\$6 72
Stationery, printing and supplies for all departments	3,091 31

Total	3,098 03
-------------	----------

General Government—Continued

TREASURER'S AND COLLECTOR'S DEPARTMENT

Salaries

Appropriation	\$12,900 00
---------------------	-------------

EXPENDED

For salaries of:

Treasurer	\$2,916 66
Cashier	1,899 04
Paymaster and assistant	2,638 00
Bookkeeper	1,040 00
Clerks (Permanent)	3,331 36
Temporary clerks	1,251 00

Total	13,076 06
-------------	-----------

Excess of expenditure over appropriation	\$176 06
Transfer from Reserve Fund	176 06

General Expenses

Appropriation	\$4,000 00
---------------------	------------

EXPENDED

For adding machine repairs	\$24 80
Advertising tax sale	421 80
Annual report	22 51
Automobile hire	663 26
Binding	7 35
Carpentry	32 67
Car tickets	5 00
Certified copies from Records	80 88
Directories	10 50
Electric Fan	30 00
Express	3 86
Lunches	15 10
Premium on bonds	560 00
Printing and certifying bonds, etc.	1,485 00
Rent of safe deposit box	40 00
Spring water	37 94
Subscriptions	17 94
Stationery, printing and office supplies	2,264 40
Sundry repairs	9 33
Telephone service	159 33
Typewriter supplies	4 00

Total	5,895 67
-------------	----------

Excess of expenditure over appropriation	\$1,895 67
Transferred from Premium receipts	1,895 67

General Government—Continued

ASSESSORS' DEPARTMENT

Salaries

Appropriation	\$14,900 00
---------------------	-------------

EXPENDED

Salaries of:

Principal assessors'	\$6,500 00
Assistant assessors	3,850 00
Clerks permanent	2,808 00
Clerks temporary	2,408 03

Total	15,566 03
-------------	-----------

Excess of expenditure over appropriation	\$666 03
Transfer from Reserve Fund	666 03

General Expenses

Appropriation	\$2,500 00
---------------------	------------

EXPENDED

For adding machine repairs	\$1 28
Advertising	114 17
Automobile hire	187 00
Automobile lists	12 74
Car tickets	55 00
Cash expended for lunches	4 75
Directories	15 00
Electrical work	4 00
Expressage	21
Posting notices	15 00
Printing and binding poll tax list	1,272 56
Stationery, printing and office supplies ..	505 84
Subscriptions	5 00
Telephone service	139 49

Total	2,332 04
-------------	----------

Surplus of appropriation transferred to Reserve Fund	\$167 96
--	----------

ASSESSORS' PLANS

Appropriation	\$200 00
---------------------	----------

EXPENDED

For services of engineers and assistants, as per payroll	199 75
--	--------

Surplus of appropriation transferred to Reserve Fund	\$ 25
--	-------

General Government—Continued

CITY CLERK'S DEPARTMENT

Salaries

Appropriation	\$7,600 00
---------------------	------------

EXPENDED

For salaries of:

City Clerk	\$3,300 00
Assistant city clerk	1,600 00
Permanent clerks	1,772 41
Temporary clerks	690 45

Total	7,362 86
-------------	----------

Surplus of appropriation transferred to Reserve Fund	\$237 14
--	----------

General Expenses

Appropriation	\$2,100 00
---------------------	------------

EXPENDED

For badges	\$49 00
Binding	107 09
Birth returns, sundry physicians	471 50
Bonds	12 00
Canvassing for births	628 50
Car tickets	25 00
Death returns	1 50
Directories	10 50
Electrical supplies	50
Expressage	22
Stationery, printing and office supplies	703 97
Typewriter supplies and repairs	12 11
Telephone service	55 40
Verifying and obtaining facts for record	51 62

Total	2,128 91
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Excess of expenditure over appropriation	\$28 91
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Transfer from Reserve Fund	28 91
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CLASSIFIED GENERAL INDEX

Appropriation	\$500 00
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EXPENDED

For sundry persons, as per payroll	\$491 67
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Total	491 67
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Surplus of appropriation transferred to Reserve Fund	\$8 33
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General Government—Continued

CITY MESSENGER'S DEPARTMENT

Salaries

Appropriation	\$1,920 00
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EXPENDED

For salaries of:

City Messenger	\$1,533 28
Assistant	584 00

Total	2,117 28
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Excess of expenditure over appropriation	\$197 28
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Transfer from Reserve Fund	197 28
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General Expenses

Appropriation	\$275 00
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EXPENDED

For car tickets	\$25 00
Directories	8 50
Expressage	72
Newspapers, periodicals, etc.	14 55
Postage, stationery and office supplies	93 87
Rent of post office box	8 00
Telephone service	137 06

Total	287 70
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Excess of expenditure over appropriation	\$12 70
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Transfer from Reserve Fund	12 70
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POSTAGE AND STATIONERY

Appropriation	\$2,000 00
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EXPENDED

For postage and stamped envelopes	\$1,455 00
Stationery and office supplies	597 11

Total	2,052 11
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Excess of expenditure over appropriation	\$52 11
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Transfer from Reserve Fund	52 11
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General Government—Continued

LAW DEPARTMENT

Salaries

Appropriation	\$4,282 00
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EXPENDED

For salaries of:		
City Solicitor	\$3,500 00	
Stenographer	690 00	
	<hr/>	
Total		\$4,190 00
Surplus of appropriation transferred to Reserve Fund		92 00
		<hr/>

General Expenses

Appropriation	\$750 00
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EXPENDED

For atlas	\$25 00	
Automobile hire	13 00	
Certified records	1 25	
Directories	4 50	
Investigation of cases	15 55	
Legal documents, books, etc.	44 00	
Office rent	249 96	
Photographic supplies	12 18	
Services of stenographers	165 07	
Serving notices	5 10	
Stationery, printing and office supplies	189 78	
Subscriptions	25 00	
Services of F. W. Smith, connected with com- pensation act	18 00	
Telephone service	53 00	
Typewriter supplies	1 50	
	<hr/>	
Total		822 89
		<hr/>
Excess of expenditure over appropriation		\$72 89
Transferred from Reserve Fund		72 89
		<hr/>

ELECTION AND REGISTRATION

ELECTION EXPENSES (CITY CLERK)

Appropriation	\$11,920 00
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EXPENDED

For services of:		
Election officers and deputies	\$5,821 00	
	<hr/>	
Amounts carried forward	\$5,281 00	\$11,920 00

General Government—Continued

ELECTION EXPENSES—Concluded

<i>Amounts brought forward</i>	\$5,281 00	\$11,920 00
Precinct men	350 00	
Primary officers, state and city primaries	1,409 50	
	<hr/>	7,580 50
Special clerks tabulating returns	125 00	
Clerical assistance in office	757 61	
Bell Ringers	12 00	
Labor filing away returns	305 15	
Janitors at Cambridge Field Shelter	19 00	
Advertising	780 05	
Ballots and tally sheets	1,086 43	
Ballot box repairs	52 22	
Binding	13 06	
Carpentry	20 70	
Carriage and automobile hire	405 00	
Expressage	186 72	
Lighting at Cambridge Field	3 84	
Lunches for police and carriage men.....	82 31	
Posting and distributing notices	108 50	
Printing	360 71	
Serving notices	26 00	
Signs	46 25	
Stationery, stamps and office supplies	607 17	
Sundry supplies and repairs	8 06	
Telephone Service	47 17	
Total		12,633 45
Excess of expenditure over appropriation		\$713 45
Transfer from Reserve Fund		713 45

REGISTRARS OF VOTERS

Appropriation		\$5,000 00
For salaries of registrars and clerk of board	\$3,039 00	
Clerical assistance ..	69 13	
Assistants at recount	295 37	
Advertising	132 30	
Automobile hire	54 00	
Binding and mounting lists	50 06	
Carpentry	1 85	
Directories	9 00	
Expressage	24 00	
List boards, care and repair of	147 94	
Preparing list boards and posting	33 90	
Printing voting lists	1,045 00	
Services at Cambridge Field Shelter	8 00	
Stationery and office supplies	224 27	
Sundry supplies and repairs	7 05	
Telephone service	53 27	
Towel Supply	4 95	
	<hr/>	
Total		5,200 00
Excess of expenditure over appropriation		\$200 00
Transfer from Reserve Fund		200 00

General Government—Continued

POLLING PLACES

Appropriation	\$2,900 00
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EXPENDED

For janitor service	\$682 25	
Auto mobile hire	7 50	
Fuel, heating apparatus, etc.	57 64	
Operating elevator	5 00	
Portable voting booth	300 00	
Rent of halls and use of land for booths	670 00	
Setting up booths and removing same	999 46	
Teaming	398 86	
Use of chairs	26 07	
	<hr/>	
Total		3,146 78
		<hr/>
Excess of expenditure over appropriation		\$246 78
Transfer from Reserve Fund		246 78
		<hr/> <hr/>

ENGINEERING DEPARTMENT

Salaries

Appropriation	\$8,700 00
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EXPENDED

For salaries of:		
Engineer	\$3,000 00	
Assistant engineers, transitmen and rodmen	4,920 35	
Clerk	468 00	
	<hr/>	
Total		8,388 35
		<hr/>
Surplus of appropriation transferred to Reserve Fund		\$311 65
		<hr/> <hr/>

General Expenses

Appropriation	\$450 00
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EXPENDED

For annual report	56 10	
Apparatus, instruments and repairs	11 49	
Car tickets	200 00	
Drawing materials	95 34	
Engineering periodicals	15 00	
Expressage	1 45	
Installing electric bell	3 50	
Photographic supplies	1 07	
Stationery, printing and office supplies	43 09	
Telephone service	105 71	
	<hr/>	
Amounts carried forward	\$532 75	\$450 00

General Government—Continued

ENGINEERING DEPARTMENT, GENERAL EXPENSES—Concluded

Amounts brought forward	\$532 75	\$450 00
Use of stone cutter	3 50	
Total		536 25
Excess of expenditure over appropriation		\$86 25
Transfer from Reserve Fund		86 25

SUMMARY—EXPENDED

For Highways	\$1,112 91	
Assessors' plans	178 09	
Law Department	57 00	
Parks	407 39	
Bridges	234 13	
Cemetery	88 20	
Sidewalks	68 16	
Sewers	569 30	
Water	1,173 05	
General Engineering:		
Accounts	\$468 00	
General surveys and levels	277 00	
Location plans	49 00	
Unclassified	706 12	
City Engineer	3,000 00	
	4,500 12	\$8,388 35

SUPERINTENDENT AND INSPECTOR OF BUILDINGS

Salaries

Appropriation	\$10,100 00
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EXPENDED

For salaries of:		
Superintendent and Inspector of Buildings	\$2,000 00	
Assistant inspectors	3,745 10	
Inspector of gas	1,000 00	
Inspection of plumbing	1,300 00	
Inspector pensioned	600 00	
Clerk	1,251 00	
Total		9,896 10
Surplus of appropriation transferred to Reserve Fund		\$203 90

General Expenses

Appropriation	1,000 00
Amount carried forward	\$1,000 00

General Government—Continued

Amount brought forward \$1,000 00

EXPENDED

For advertising	\$14 94	
Annual report	9 72	
Automobile hire	14 76	
Automobile repairs	7 50	
Car tickets	175 00	
Carriage repairs	22 40	
Electric supplies	59	
Expressage	88	
Horse board	298 00	
Horseshoeing and clipping	43 12	
Justice of peace fee	5 00	
Stationery, printing and office supplies	274 31	
Sundry supplies	3 73	
Telephone service	65 61	
Tower clocks, care and repair of	63 50	
Total		999 06

Surplus of appropriation transferred to Reserve Fund \$ 94

CIVIL SERVICE REGISTRATION

Appropriation \$325 00

EXPENDED

For services of clerk	\$300 00	
Stationery	23 02	
Total		323 02

Surplus of appropriation transferred to Reserve Fund \$1 98

MUNICIPAL BUILDING SALARIES

Appropriation \$12,750 00

EXPENDED

For salaries of employees:

At City Hall:

Janitor	\$1,196 00	
Assistant Janitor	864 13	
Engineer	1,270 50	
Firemen	2,202 82	
Elevator-men	832 67	
Cleaners	1,414 53	
		7,780 65

At Brattle Square Building:

Janitor	936 00	
Firemen	567 50	
Cleaner	468 00	
		1,971 50

Amounts carried forward \$9,752 15 \$12,750 00

General Government—Continued

MUNICIPAL BUILDINGS SALARIES—Continued

<i>Amounts brought forward</i>	\$9,752 15	\$12,750 00
At Central Square Building:		
Janitor	1,040 00	
Firemen	238 00	
Cleaner	364 00	
	<hr/>	1,642 00
At Station No. 3 Building:		
Janitor	832 00	
At Station No. 4 Building:		
Janitor	728 00	
	<hr/>	
Total		12,954 15
Excess of expenditure over appropriation		\$204 15
Transferred from Reserve Fund		204 15
		<hr/>

General Expenses

Appropriation	\$9,500 00
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EXPENDED

For boiler insurance	260 00		
Automobile hire	11 76		
Board of horse	27 00		
Cleaning ward room	6 00		
Clipping horse	3 00		
Equilibrator and repairs to flag	6 69		
Fuel	4,383 86		
Furniture and janitors' supplies:			
Ash cans	\$32 16		
Brooms, brushes, dusters, mops, etc.	97 23		
Chairs, shades, awnings	518 15		
Expressage	16 21		
Ice	193 23		
Lighting	1,697 33		
Lighting supplies	8 96		
Oil, waste, polish, etc.	168 40		
Sawdust	2 17		
Soap, powder, matches	89 62		
Sundries	5 91		
Towels and laundering	162 09		
Water	4 50		
	<hr/>	2,995 96	
Services of watchman	52 00		
Telephone	2 50		
Repairs and alterations:			
City Hall	\$523 51		
Brattle Square Building	348 18		
	<hr/>		
<i>Amounts carried forward</i>	\$871 69	\$7,748 77	\$9,500 00

General Government—Continued

MUNICIPAL BUILDINGS—GENERAL EXPENSES—Concluded

<i>Amounts brought forward</i>	\$871 69	\$7,748 77	\$9,500 00
Central Square Building	163 57		
Station No. 3	139 58		
Station No. 4	76 53		
Library	229 25		
Inman Square Building	108 68		
Thorndike School	160 75		
		<u>1,750 06</u>	
Total			9,498 83
Surplus of appropriation transferred to Reserve Fund			<u>\$1 17</u>

ADMINISTRATION OF SINKING FUNDS

Appropriation		\$375 00
EXPENDED		
For salary of treasurer of sinking funds	\$300 00	
Services of stenographer	6 00	
Rent of safe deposit box	40 00	
Secretary	25 00	
		<u>371 00</u>
Surplus of appropriation transferred to Reserve Fund		<u>4 00</u>

TAX ASSESSMENT COMMITTEE

Appropriation from Reserve Fund		\$466 23
EXPENDED		
Auto hire	\$35 00	
Car fares and lunches	72 63	
Printing, maps, etc.	287 00	
Services of expert	50 00	
Services of stenographer	21 60	
Total		<u>466 23</u>

PROTECTION OF LIFE AND PROPERTY
 COMMISSIONER OF PUBLIC SAFETY

Appropriation		\$367,000 00
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Protection of Life and Property—Continued

Amount brought forward \$367,000 00

EXPENDED

For salaries of:

Commissioner	\$3,000 00	
Clerk	1,500 00	
Chauffeur	763 65	
Assistant Clerk	233 22	
Services of stenographer	135 15	
		<hr/>
		\$3,632 02
Automobile and carriage hire		135 06
Automobile registration		10 00
Automobile supplies and repairs		1,539 69
Badges		15 92
Dinners		60 00
Expenses to convention		350 00
Handcuffs		2 12
Insurance		109 04
Lumber		5 88
Newspapers, periodicals, etc.		11 40
Photographic supplies		14 30
Printing, stationery and office supplies		57 22
Repairing chair		1 47
Sundries		4 63
Telephone		162 57
Water		20 58

Total for Commissioner's Office \$8,131 90

POLICE DIVISION

Salaries

EXPENDED

For salaries of:

Chief inspector	\$1 500 00	
Captains	6,951 61	
Lieutenants	11,441 69	
Inspectors	2,800 00	
Sergeants	11,095 71	
Patrolmen	128,210 20	
Reserve Officers	16,887 25	
Drivers	6,774 30	
Matrons	938 58	
		<hr/>
		\$186,599 34
Pensions	8,343 24	
Sick leave	2,309 71	
Allowance by Commissioner of Public Safety	350 55	

Total for Police Division Salaries \$197,602 84

Amounts carried forward \$205,734 74 \$367,000 00

Protection of Life and Property—Continued

COMMISSIONER OF PUBLIC SAFETY—Continued

Amount brought forward \$205,734 74 \$367,000 00

General Expenses

EXPENDED

For general administration:

Ambulance hire	\$182 82	
Automobile hire	28 54	
Binding manuals	58 00	
Car tickets	300 00	
Electrical Supplies and Repairs ...	62 04	
Newspapers and periodicals	6 50	
Photographic supplies	30 05	
Services of stenographer	186 60	
Stationery, printing and office supplies	795 98	
Telegrams	7 41	
Telephone service	400 92	
Traveling expenses of officers	19 26	
		\$2,119 12

Expenses of station houses:

For disinfectant and insecticide...	\$7 35	
Cleaning trees	56	
Expressage and teaming	4 33	
Food for prisoners	41 95	
Furniture and furnishings	69 23	
Ice	121 78	
Janitor's supplies and sundries	40 40	
Laundry work and towel supply ...	49 74	
Lighting	878 76	
Medicines, etc.	38 77	
Oil, matches, etc.	32 19	
		1,285 06

Equipment and Repairs:

For ambulance and patrol wagon...	\$1,697 55	
Gasoline	78 15	
Harness repairs and horse clothing.	22 24	
Lanterns	1 61	
Motor cycle, repairs and storage ...	124 85	
Pulmotor	267 05	
Storage of ambulance	44 40	
Wagon and ambulance repairs....	296 88	
		2,532 73

Officers' Equipment:

Badges	\$73 49	
Belts	14 21	
Cloth and cutting	6 05	
Firearms	72 51	
Hand cuff repairs	75	
Numbers, buttons and trimmings..	171 32	
		338 33

Amounts carried forward \$212,009 98 \$367,000 00

Protection of Life and Property—Continued

POLICE DIVISION GENERAL EXPENSES—Continued

<i>Amounts brought forward</i>		\$212,009 98	\$367,000 00
Horses and Care of same:			
Hay, grain and straw	\$470 11		
Horseshoeing and clipping	236 18		
		706 29	
Miscellaneous expenses:			
Damages to clothing	\$10 00		
Medical attention	90 72		
Use of wall tent	22 00		
		122 72	
Total for Police Division General Expenses.....		7,104 25	

FIRE DIVISION

Salaries

EXPENDED

For salaries of:			
Chief engineer	\$2,500 00		
Assistant chief engineer	2,000 00		
Permanent men	123,618 99		
Call men	7,001 57		
	\$135,120 56		
Pensions	10,417 97		
Total for Fire Division Salaries.....		\$145,538 53	

General Expenses

EXPENDED

For general administration:			
Annual report	\$47 00		
Auto repairs and supplies	1,143 87		
Automobile, Chief's Car	1,100 00		
Expressage	2 13		
Lunches	15 52		
Services advising engineer on motor apparatus	400 00		
Services of stenographer	57 30		
Stationery, printing and office supplies	23 50		
Subscriptions	6 25		
Telephone	83 84		
		\$2,879 41	
Expenses of Fire Stations:			
Cleaning trees	\$3 08		
Janitors' supplies	166 56		
Furniture and furnishings	713 98		
Ice	62 62		
Inspection of boilers	51 00		
Laundry work	357 61		
Polish	44 98		
Sponges and chamois	12 15		
		1,411 98	

Amounts carried forward	\$362,688 91	\$367,000 00
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Protection of Life and Property—Continued

COMMISSIONER OF PUBLIC SAFETY, FIRE DIVISION GENERAL
EXPENSES—Continued

Amounts brought forward \$362,668 91 \$367,000 00

Equipment and Repairs:

For axes	\$2 94
Badges	22 05
Chemical supplies	117 84
Engines, wagons and repairs	2,619 41
Equipment for new chemical	746 61
Extinguishers and repairs	126 95
Harness and horse clothing	130 99
Hats	18 91
Hose and fittings	2,685 71
Ladders	29 89
Lanterns	30 59
Ropes	1 47
Tools and miscellaneous supplies	229 71

6,763 07

Fuel and Light:

For coal and wood	\$2,446 46
Lighting	804 09
Oil and gasoline	640 35
Oil tanks, pumps, etc.	23 61
Shavings	60 08

3,974 59

Horses and care of same:

For hay, grain and straw..	\$4,444 08
Horse board	35 00
Horseshoeing and clipping ..	1,983 35
Salt cakes	26 46

6,488 89

Repairs to buildings:

For carpentry	\$281 29
Electrical supplies and repairs	161 45
Glazing, painting, etc. ...	5 12
Heating apparatus supplies ..	28 76
Lumber	149 27
Mason work	1,734 38
Plumbing	43 68
Roof repairs	123 67
Supplies for repairs	39 25

2,566 87

Miscellaneous expenses:

For damages to clothing..	\$50 00
Expenses in opening new Fire Station, Decorating, \$24.50; Refreshments, \$115.66	140 16

Amounts carried forward \$190 16 \$382,462 33 \$367,000 00

Protection of Life and Property—Continued

COMMISSIONER OF PUBLIC SAFETY, FIRE DIVISION GENERAL EXPENSES—Concluded

<i>Amounts brought forward..</i>	\$190 16	\$382,462 33	\$367,000 00
Medical supplies and ad- vice	149 50		
	<u>339 66</u>		
Total for Fire Division General Expenses...		<u>24,424 47</u>	
Total Commissioner Public Safety			<u>382,891 99</u>
Excess of expenditure over appropriation			\$15,801 99
Transfer from Reserve Fund			<u>\$15,801 99</u>

NEW ENGINE HOUSE, INMAN SQUARE

Appropriation brought from 1913-14	\$1,251 17
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EXPENDED

For Architects fee, final payment.	\$510 84
Building contract, final payment	500 00
Floor in battery room	<u>240 00</u>
Total	1,250 84
Balance of appropriation	<u>\$ 33</u>

FIRE AND POLICE TELEGRAPH AND INSPECTION OF WIRES

Salaries

Appropriation	\$14,350 00
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EXPENDED

Fire salaries of:	
Inspector of Wires (one-half salary)	\$749 97
Assistant Inspectors	2,182 00
Foreman of repair gang	1,425 00
Instrument men	1,514 85
Lineman	1,263 53
Troublemens	2,347 87
Groundman	956 09
Batteryman	971 91
Operators	2,051 65
Wire and repairman	<u>655 88</u>
Total	<u>14,118 76</u>
Surplus of appropriation transferred to Reserve Fund	<u>\$231 24</u>

General Expenses

Appropriation	\$3,550 00
<i>Amount carried forward</i>	<u>\$3,550 00</u>

Protection of Life and Property—Continued

FIRE AND POLICE TELDEGRAPH AND INSPECTION OF WIRES—
Concluded

Amount brought forward \$3,550 00

EXPENDED

Automobile supplies and repairs	281 98
Battery and Battery Supplies	190 98
Carriage repairs	122 61
Car Tickets	200 00
Electrical Supplies	380 92
Expenses to Convention	82 00
Expressage and freight	22 71
Fire alarm boxes and repairs to apparatus	262 66
Harness and horse clothing	18 72
Horse board	336 00
Horseshoeing	62 72
Ice	28 44
Laundry	7 90
Lighting	37 28
Paper	61 50
Printing, Stationery, etc.	102 96
Repairing ceiling	10 00
Steam for Whistle	50 00
Sundry Supplies	116 69
Whistle striker and motor repairs	73 00
Wire and line material	993 71
Telephone service	181 03

Total 3,623 81

Excess of expenditure over appropriation	\$73 81
Transferred from Reserve Fund	\$73 81

FIRE ALARM AND KEYLESS BOXES

Appropriation \$500 00

EXPENDED

For fire alarm boxes \$500 00

Total 500 00

NEW FIRE ALARM APPARATUS

Appropriation \$25,000 00

EXPENDED

For installing radiators	\$66 00
Services of supervisor	200 00

Total 266 00

Balance of appropriation \$24,734 00

Protection of Life and Property—Continued

FIRE ESCAPE, MERRILL SCHOOL

Appropriation brought from 1913-14	\$1,988 24
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EXPENDED

For erecting fire escapes	\$1,266 20
Cutting out windows	557 61
Miscellaneous supplies	67
Painting, etc.	33 56

Total	\$1,858 04
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Balance of appropriation	\$130 20
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NEW APPARATUS

COMMISSIONER OF PUBLIC SAFETY

Appropriation brought forward from 1913-14	\$6,400 00
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EXPENDED

For chief's car	\$1,860 00
Fire Knox Tractor model	3,445 00
Chemical No. 5	1,095 00

Total	\$6,400 00
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MILITIA—USE OF RIFLE RANGE AND TRANSPORTATION

Appropriation	\$1,225 00
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EXPENDED

By Headquarters, Eighth Regiment:

For use of rifle range	\$47 25
Transportation	129 38

\$176 63

By Company A, Eighth Regiment:

For use of rifle range	\$232 01
Transportation	134 50

366 51

By Company C, Eighth Regiment:

For use of rifle range	\$460 77
Transportation	190 40

651 17

By Company E, Eighth Regiment:

For use of Rifle range	\$232 51
Transportation	105 00

337 51

By Company 6, Corps Coast Artillery:

For use of rifle range	\$271 13
Transportation	100 00

371 13

Amount brought forward	\$1,902 95	\$1,225 00
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Protection of Life and Property—Continued

MILITIA—USE OF RIFLE RANGE AND TRANSPORTATION—
Concluded

Amount brought forward	\$1,902 95	\$1,225 00
For Troop C., M. V. M.:		
For use of rifle range	\$423 41	
Transportation	35 05	
	<hr/>	469 46
Total		<hr/> \$2,372 41
Excess of expenditure over appropriation		\$1,147 41
Transfer from Reserve Fund		<hr/> 1,147 41

SEALER OF WEIGHTS AND MEASURES

Salaries

Appropriation	\$4,960 00
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EXPENDED

For salaries of:		
Sealer of Weights and Measures	\$1,300 00	
Deputy	1,000 00	
Assistants	2,660 00	
	<hr/>	
Total		<hr/> 4,960 00

General Expenses

Appropriation	\$1,200 00
Transfer to Street Department for board of Horses	216 00
	<hr/>
	\$984 00
Additional appropriation	200 00
	<hr/>
Total	\$1,184 00

EXPENDED

For advertising	\$9 80	
Automobile	495 40	
Automobile license	2 00	
Automobile registration	20 00	
Automobile Storage	81 39	
Automobile supplies	9 12	
Car tickets	40 00	
Express	55	
Equipment and repairs	150 07	
Harness and wagon repairs	52 74	
Horse, new	225 00	
Horseshoeing	24 29	
Signs	5 39	
Soap	3 35	
Stationery, printing and office supplies	39 87	
	<hr/>	
Amount brought forward	\$1,158 97	\$1,184 00

Protection of Life and Property—Continued

SEALERS OF WEIGHTS AND MEASURES—Continued

Amounts carried forward	\$1,158 97	\$1,184 00
Telephone service	24 25	
Total		1,183 22
Surplus of appropriation transferred to Reserve Fund		78

FORESTRY

Appropriation	15,000 00
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EXPENDED

For labor, as per payroll	\$12,184 57	
Arsenate of lead	373 14	
Electrical supplies for machinery	33 68	
Damages:		
From tree guards	5 00	
From trees falling	58 10	
From spraying machine	10 00	
		73 10
Hose	28 67	
Ladders and repairs	25 14	
Loam and filling	180 15	
Gasoline	14 21	
Rope	41 16	
Sharpening saws	29 95	
Services of physician (Compensation Act)	4 25	
Spraying machine repairs	7 20	
Stationery, printing, etc.	135 68	
Sand, etc.	5 50	
Tools, hardware, etc.	102 93	
Trees	1,124 72	
Tree Poles	289 10	
Wire netting	157 50	
Teaming, as per payroll	587 25	
Total		15,397 90
Excess of expenditure over appropriation		397 90
Transferred from Reserve Fund		397 90

HEALTH AND SANITATION

BOARD OF HEALTH EXPENSES

Salaries

Appropriation	\$16,684 14
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EXPENDED

For salaries of:

Medical inspector	\$2,000 00
Bacteriologist	900 00
Sanitary Inspectors	3,000 00
Inspector of Plumbing	1,100 00
Inspector of Provisions	1,500 00
Inspector of Slaughtering	775 00
Driver	1,065 14
Social Worker	780 00
School nurse	1,100 00
Assistant school nurse	749 41
School inspectors	2,000 00
Clerk	1,200 00
Secretary	936 00

Total	17,105 55
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Excess of expenditure over appropriation	\$421 41
Transfer from Reserve Fund	421 41

General Expenses

Appropriation	\$12,670 00
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EXPENDED

For advertising	\$36 33
Ambulance hire	7 84
Ambulance and wagon repairs	12 10
Annual report	38 54
Automobile hire	88 20
Burning dead animals	86 13
Car tickets	850 00

Care of Tuberculosis patients:

By other cities and towns	153 57
By Commonwealth	2,217 99

2,371 56

Care of other contagious diseases:

By other cities and towns	2,498 04
By private institutions	11,104 00

13,602 04

Collecting cultures	189 00
Directories	14 50

Amounts carried forward	\$17,296 24	\$12,670 00
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Health and Sanitation--Continued

BOARD OF HEALTH, GENERAL EXPENSES--Concluded

<i>Amounts brought forward</i>	\$17,296 24	\$12,670 00
Disinfecting apparatus and repairs	172 37	
Expressage	1 49	
Harness repairs and horse clothing	5 88	
Horse board	385 63	
Horseshoeing and clipping	58 68	
Ice	69 72	
Laboratory supplies	239 99	
Serum	104 39	
Serving notices	45 24	
Services of bacteriologist	198 00	
Services of physician	25 00	
Sanitary supplies	24 48	
Soap, matches, etc.	3 58	
Stable supplies	4 70	
Stationery, printing and supplies	518 60	
Telephone service	140 62	
Typewriter supplies	12 10	
Total		19,306 71
Excess of expenditure over appropriation		\$6,636 71
Transfer from Reserve Fund		6,636 71

TUBERCULOSIS HOSPITAL

Appropriation \$20,564 00

EXPENDED

Physician	\$1,200 00	
Interne	375 97	
Matron	848 00	
Nurses	2,496 99	
Cooks	895 86	
Dishwasher	330 00	
Laundresses	590 00	
Maid	344 00	
Scrub women	371 00	
Caretakers	636 00	
Night watchman	636 00	
		8,723 82
Room for nurse outside hospital		112 00
Carriage hire		41 25
Cleaning trees		3 92
Crockery and household supplies		106 01
Disinfectant and insecticide		12 76
Expressage		45 95
Fuel		1,786 78
Furniture and furnishings		1,227 93
Glazing, whitening, etc.		8 67
Hens, care of same, etc.		37 52
<i>Amounts carried forward</i>	\$12,106 61	\$20,564 00

Health and Sanitation—Continued

TUBERCULOSIS HOSPITAL—Concluded

<i>Amounts brought forward</i>	\$12,106 61	\$20,564 00
Ice	379 03	
Lighting	972 04	
Lumber	38 78	
Medical and surgical supplies	619 09	
Oil	30 82	
Paper bags, napkins, etc.	219 13	
Photographs	10 00	
Plants, seeds, etc.	7 35	
Repairs	846 65	
Soap, matches, etc.	260 79	
Stationery, printing and office supplies	49 33	
Subsistence supplies	11,578 46	
Rent of folding chairs	3 18	
Telephone service	93 88	
Services of physician	105 68	
Total		26,320 82
Excess of expenditure over appropriation		\$5,756 82
Transfer from Reserve Fund		5,756 82

DIPHTHERIA HOSPITAL

Appropriation	\$7,800 00
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EXPENDED

For salaries of:

Physician	\$1,200 00
Matron	780 00
Nurses	1,718 89
Houseman	803 20
House servant	318 00
Cooks	366 00
Laundress	318 00
Attendant	17 50

\$5,521 59

Cleaning trees	1 12
Clothing and dry goods	39 16
Expressage	1 64
Fuel	231 26
Furniture and furnishings	46 47
Hardware	7 31
Ice	76 36
Laundry supplies	69 74
Lighting	106 16
Medical and surgical supplies	295 26
Repairs and supplies for repairs ...	23 84
Stationery and supplies	12 91
Subsistence supplies	1,935 84

<i>Amounts carried forward</i>	\$2,847 07	\$5,521 59	\$7,800 00
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Health and Sanitation—Continued

DIPHTHERIA HOSPITAL—Concluded

<i>Amounts brought forward</i>	\$2,847 07	\$5,521 59	\$7,800 00
Telephone service	53 47		
Water	14 00		
		2,914 54	
Total			8,436 13
Excess of expenditure over appropriation			\$636 13
Transfer from Reserve Fund			636 13

INSPECTION OF MILK AND VINEGAR

Appropriation	\$2,200 00
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EXPENDED

For salary of inspector	\$1,200 00
Collector of samples	806 00
Substitute during vacation	30 00
Carriage hire	3 00
Car tickets	70 00
Distilled water	3 72
Expressage	1 14
Laboratory supplies and apparatus	87 43
Total	2,276 09
Excess of expenditure over appropriation	\$76 09
Transfer from Reserve	76 09

INSPECTION OF ANIMALS

Appropriation	\$1,150 00
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EXPENDED

For salary of inspector	\$700 00
Medicine and bandages	\$202 69
Use of automobile	250 00
	452 69
Total	1,152 69
Excess of expenditure over appropriation	\$2 69
Transfer from Reserve Fund	2 69

MODIFIED MILK

Appropriation	\$1,400 00
<i>Amount carried forward</i>	\$1,400 00

Health and Sanitation—Continued

MODIFIED MILK—Concluded

Amounts brought forward \$1,400 00

EXPENDED

For services modifying milk	\$219 42	
Services of nurses at distributing stations	196 12	
Services, washing and filling bottles	81 43	
Delivering milk	134 28	
Apparatus, repairs and supplies	101 91	
Expressage	1 25	
Milk, sugar of milk, etc.	665 45	
Signs	1 50	
Stationery, printing, etc.	30 72	
Services distributing milk at Cambridge Field...	3 75	
Total		1,435 83
Excess of expenditure over appropriation		\$35 83
Transfer from Reserve Fund		35 83

ADDITION TO HOSPITAL

Appropriation from 1913-14 \$89,650 51

EXPENDED

For advertising	\$12 75	
Services of engineer	268 26	
Total		281 01
Balance of appropriation		86,369 50

MUNICIPAL HOSPITAL

Appropriation \$60,000 00

EXPENDED

For advertising	\$36 20	
Land	59,000 00	
Options on Turner lots	26 00	
Searching title	75 00	
Water	13 50	
Total		59,150 70
Balance of appropriation		\$849 30

Health and Sanitation—Continued

SEWER DEPARTMENT MAINTENANCE

Appropriation	\$20,000 00
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EXPENDED

For salaries of:

Superintendent of Sewers	\$2,000 00
Clerk	468 00

	<u>2,468 00</u>
Labor, as per payroll	10,088 22
Automobile license and registration	26 00
Automobile supplies and repairs	554 74
Automobile (new)	560 25
Blacksmithing	14 75
Bricks	60 27
Car tickets	60 00
Carriage, cart and wagon repairs	230 47
Catch basin traps	11 02
Cement	136 67
Cleaning catch basins	4,372 00
Cleaning trees	1 40
Damages:	
Horse falling into catch basin...	290 00
Repairs on account of defective sewer	22 50
	<u>312 50</u>
Disinfectant	9 80
Electrical work at stable	13 33
Express	4 71
Frames, grates and covers	155 40
Fuel	24 96
Gravel, sand, etc.	21 83
Harness, repairs and horse clothing	20 16
Hay, grain and straw	558 33
Horseshoeing	98 78
Hose and repairs	290 88
House repairs	41 20
Ice	7 02
Lighting	8 61
Lumber and milling	154 33
Pipes and fittings	17 74
Rubber boots and clothing	73 75
Street repairs	4 88
Stationery, printing and office supplies	47 00
Tools and miscellaneous supplies	136 00
Travelling expenses of Superintendent and Engineer	11 44
Telephone service	62 41

Total	<u>20,658 93</u>
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Excess of expenditure over appropriation	658 93
Transferred from Reserve Fund	<u>658 93</u>

Health and Sanitation—Continued

SEWER DEPARTMENT MAINTENANCE—Concluded

SUMMARY

For repairing catch basins:		
Labor	\$689 08	
Supplies	320 60	
		1,009 68
Cleaning catch basins:		
Labor	\$2,908 02	
Supplies	4,553 48	
		7,551 50
Cleaning and repairing gates:		
Labor	1,041 10	
Supplies	11 82	
		1,052 92
Cleaning sumps:		
Labor	289 58	
Supplies	11 82	
		301 40
Cleaning and flushing sewers:		
Labor	1,158 77	
Supplies	332 93	
		1,491 70
Manhole repairs:		
Labor	198 91	
Supplies	125 64	
		324 55
General Expense:		
Labor	1,477 51	
Salary of Superintendent	2,000 00	
Pensions	1,317 52	
Supplies	1,473 23	
		6,268 26
Office Expenses:		
Labor	\$468 00	
Supplies	45 66	
		513 66
Sewer Repairs:		
Labor	663 92	
Supplies	141 87	
		805 79
Stable Account:		
Labor	\$543 81	
Supplies	795 66	
		1,339 47
Total		\$20,658 93

SEWER DEPARTMENT, CONSTRUCTION GENERAL

Appropriation brought from 1914	5,270 57
Transferred from Separate System of Drainage (Loan)	3,601 10
Amount carried forward	\$8,871 67

Health and Sanitation—Continued

SEWER DEPARTMENT CONSTRUCTION GENERAL—Continued

Amount brought forward \$8,871 67

EXPENDED

For Labor as per payroll	\$5,765 16	
Engineering as per payroll	288 82	
Advertising	4 17	
Blacksmithing	15 48	
Bricks	379 19	
Catch Basin traps	121 27	
Cement	160 11	
Dumping privilege	10 78	
Frames, grates and covers	420 17	
Gravel, sand, etc.	72 52	
Lanterns	3 92	
Lighting (oil)	6 47	
Lumber and mill work	134 12	
Pipes and fittings	1,317 86	
Sharpening tools	27 98	
Stone	25 79	
Repairing pavements	42 63	
Tools and miscellaneous supplies	7 73	
Teaming as per payroll	67 50	
Total		8,871 67

SUMMARY

Banks Street Sewer:		
Labor	\$331 75	
Supplies	81 30	
		413 05
General Expense:		
Supplies		146 86
Holworthy Street Sewer:		
Labor	\$546 56	
Supplies	225 92	
		772 48
Irving Street Sewer:		
Labor	1,585 40	
Supplies	557 95	
		2,143 35
Lamont Avenue Sewer:		
Labor	\$333 87	
Teaming	24 00	
Supplies	138 12	
		496 29
New Catch Basins:		
Labor	\$676 99	
Supplies	897 12	
		1,574 11
Amount carried forward		\$5,546 14

Health and Sanitation—Continued

SEWER DEPARTMENT, CONSTRUCTION GENERAL—Concluded

<i>Amount brought forward</i>		\$5,546 14
Newton Street Sewer:		
Labor	\$544 58	
Supplies	145 81	
	<hr/>	690 39
Nutting Place Sewer:		
Labor	\$788 85	
Supplies	192 94	
	<hr/>	991 79
St. Gerard Terrace Sewer:		
Labor	\$261 29	
Supplies	66 06	
	<hr/>	327 35
Sixth Street Sewer:		
Labor	435 62	
Teaming	24 00	
Supplies	105 17	
	<hr/>	564 79
Summer Street Sewer:		
Labor	\$539 07	
Teaming	19 50	
Supplies	192 64	
	<hr/>	751 21
Total		<hr/> \$8,871 67 <hr/>

SEWER DEPARTMENT, SEPARATE SYSTEM OF DRAINAGE

Appropriation from 1914	\$4,954 11
Additional Appropriations	40,000 00
	<hr/> \$44,954 11

EXPENDED

For labor, as per payroll	\$31,316 63	
Engineering, as per payroll	1,160 68	
Advertising	4 16	
Blacksmithing	7 25	
Bricks	427 72	
Cement	1,093 64	
Frames, grates and covers	322 61	
Gravel, sand, etc.	702 85	
Hose	4 41	
Lumber and milling	626 80	
Oatmeal	7 35	
Oil, Lanterns, etc.	82 95	
Pipes and fittings	2,518 51	
Railroad expenses, incurred by installing sewer under tracks of B. & M. R. R.	83 05	
Rubber boots and clothing	118 23	
Sharpening tools	132 37	
Steel rods	55 15	
	<hr/>	
<i>Amounts carried forward</i>	\$38,664 36	\$44,954 11

Health and Sanitation—Continued

SEWER DEPARTMENT, SEPARATE SYSTEM OF DRAINAGE—
Continued

<i>Amounts brought forward</i>	\$38,664 36	\$44,954 11
Stone	56 66	
Tools and miscellaneous supplies	170 62	
Teaming, as per payroll	188 25	
Teaming, other	4 80	
Total		39,084 69
Surplus of appropriation		5,869 42
Transferred to Construction General		3,601 10
Balance of appropriation		2,268 32

SUMMARY

General Expense:		
Supplies		\$215 45
Appleton Street District:		
Labor	\$4,380 37	
Teaming	45 00	
Supplies	358 99	
		4,784 36
Bolton Street District:		
Labor	1,270 06	
Teaming	3 00	
Supplies	306 15	
		1,579 21
Chilton Street District:		
Labor	\$1,312 11	
Supplies	240 02	
		1,552 13
Concord Avenue District:		
Labor	\$12,613 26	
Teaming	66 00	
Supplies	3,008 45	
		15,687 71
Fayerweather Street District:		
Supplies		2 70
Fenno Street District:		
Labor	\$1,038 55	
Teaming	23 25	
Supplies	159 05	
		1,220 85
Reservoir Street District:		
Labor	\$1,580 74	
Supplies	160 91	
		1,741 65
Stearns Street District:		
Labor	\$1,048 11	
Teaming	6 00	
Supplies	167 17	
		1,221 28
<i>Amount carried forward</i>		\$28,005 34

Health and Sanitation—Continued

SEWER DEPARTMENT, SEPARATE SYSTEM OF DRAINAGE—
Concluded

Amount brought forward		\$28,005 31	
Standish Street District:			
Labor	\$1,235 61		
Supplies	294 53		
		1,530 14	
Vassar Lane District:			
Labor	\$6,367 46		
Teaming	36 00		
Supplies	1,301 69		
		7,705 15	
Walden Street District:			
Labor	\$1,631 04		
Teaming	9 00		
Supplies	204 02		
		1,844 06	
Total			39,084 69

HOUSE OFFAL

Labor

Appropriation	\$30,000 00
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EXPENDED

For labor as per payroll	\$39,042 94	
Pensions, as per payroll	2,119 25	
Total		41,162 19
Excess of expenditure over appropriation		11,162 19
Transferred from Reserve Fund		11,162 19

General Expenses

Appropriation	\$7,500 00
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EXPENDED

For brooms	\$11 76	
Hay, grain and straw	4,927 49	
Harness repairs and horse clothing	350 17	
Horses	583 10	
Horse hire	12 50	
Horseshoeing and clipping	1,037 41	
Lighting	13 08	
Lumber	127 83	
Medical attendance (Compensation Act)	8 21	
Miscellaneous supplies for repairs	56 90	
Painters supplies	139 01	
Printing, stationery, etc.	6 44	
Amounts carried forward	\$7,273 90	\$7,500 00

Health and Sanitation—Continued

HOUSE OFFAL—Concluded

<i>Amounts brought forward</i>	\$7,273 90	\$7,500 00
Repairs to stable	20 00	
Soap polish, etc.	8 57	
Shovels, etc.	29 89	
Sponges, chamois	36 34	
Wagon repairs and supplies	837 81	
	<hr/>	
Total		8,206 51
	<hr/>	
Excess of expenditure over appropriation		706 51
Transferred from Reserve Fund		706 51
	<hr/>	

COLLECTION OF ASHES

Appropriation	\$55,000 00
Additional appropriation, additional budget	5,000 00
	<hr/>
Total	\$60,000 00

EXPENDED

For salary of foreman	\$1,296 46	
Labor, as per payroll	55,042 50	
	<hr/>	
	56,338 26	
Ash cart covers	70 07	
Automobile repairs	15 49	
Dumping privileges	440 00	
Hardware, tools, etc.	185 64	
Harness and repairs	242 47	
Hay, grain and straw	4,893 50	
Horseshoeing and stock	416 19	
New Equipment	165 00	
Professional services incurred through Compensation Act	38 00	
Sundries	68 37	
Teaming, as per payroll	399 00	
Wagon repairs	287 70	
	<hr/>	
Total		63,560 39
	<hr/>	
Excess of expenditure over appropriation		\$3,560 39
Transfer from Reserve Fund		3,560 39
	<hr/>	

STREET CLEANING

Appropriation	\$48,925 00
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EXPENDED

For Section men	\$24,375 32	
	<hr/>	
<i>Amounts carried forward</i>	\$24,375 32	\$48,925 00

Health and Sanitation—Concluded

STREET CLEANING—Concluded

Amounts brought forward	\$24,375 32	\$48,925 00
General cleaners	20,434 04	
	<hr/>	
Gravel, etc.	44,809 36	
Expressage	111 96	
Harness repairs	72	
Hay, grain and straw	104 23	
Horseshoeing and stock	1,820 38	
Machine sweeper repairs	1 37	
Refilling machine sweeper	61 72	
Road oil	179 34	
Road machine repairs	46 50	
Salt	25 00	
Tools, hardware, etc.	13 23	
Wagon repairs	560 53	
Labor, as per payrolls	68 43	
Teaming, as per payrolls	60 00	
	4,732 50	
	<hr/>	
Total		52,595 27
Excess of expenditure over appropriation		\$3,670 27
Transferred from Reserve Fund		3,670 27
		<hr/>

SNOW REMOVAL

Appropriation	\$5,000 00
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EXPENDED

For section men	\$3,056 25	
School houses	355 63	
General	3,475 67	
Labor, as per payrolls	65 94	
	<hr/>	
	6,953 49	
Hardware, tools, etc.	160 95	
Salt	7 35	
	<hr/>	
Total		7,121 79
Excess of expenditure over appropriation		\$2,121 79
Transferred from Reserve Fund		\$2,121 79
		<hr/>

GAME WARDEN

Appropriation from Reserve Fund	\$50 00
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EXPENDED

For services of game warden	\$50 00	
	<hr/>	
Total		\$50 00
		<hr/>

HIGHWAYS AND BRIDGES

SALARIES OF SUPERINTENDENT OF STREETS AND CLERKS

Appropriation		\$6,704 00
EXPENDED		
For salaries of:		
Superintendent of Streets	\$2,355 02	
Office clerks	3,408 00	
Yard clerks	1,068 50	
Total		6,831 52
Excess of expenditure over appropriation		\$127 52
Transfer from Reserve Fund		127 52

PENSIONS

Appropriation		\$3,086 76
EXPENDED		
For foreman	\$600 00	
Laborers, as per payroll	2,947 97	
Total		3,547 97
Excess of expenditure over appropriation		\$461 21
Transfer from Reserve Fund		461 21

STREET MAINTENANCE

Appropriation		\$78,800 00
Transferred from Park Department for care of horses		432 00
Transferred from Sealer of Weights and Measures for care of horses		216 00
		\$79,448 00
EXPENDED		
For salaries of district foremen	\$1,683 50	
Stablemen	15,841 40	
Blacksmiths	5,167 13	
Carpenters	2,577 25	
Harnessmakers	765 58	
Painters	4,556 31	
Labor, as per payroll	25,728 58	
		\$56,319 75
Office expenses:		
Advertising	\$40 30	
Stationery, printing and office supplies	380 10	
Amounts carried forward	\$420 40	\$56,319 75
		\$79,448 00

Highways and Bridges—Continued

STREET MAINTENANCE—Concluded

<i>Amounts brought forward</i>	\$420 40	\$56,319 75	\$79,448 00
Subscriptions	3 00		
Telephone service	193 45		
		616 85	
Automobile registration and license		41 00	
Automobile hire		50 00	
Automobile supplies and repairs		1,220 21	
Carriage and wagon repairs		90 25	
Fuel		1,186 17	
Gravel and freight		305 90	
Harness and repairs		465 61	
Hay, grain and straw		1,564 58	
Horseshoeing stock and clipping		228 63	
Lighting:			
Electric lighting	\$578 73		
Lamps, lanterns and oil	58 89		
		637 62	
Lumber		1,131 81	
Medical attention due to compensation act		9 00	
New Equipment		423 23	
Painters' supplies		410 67	
Renewals and repairs		452 92	
Stable supplies		578 86	
Steam roller, supplies and repairs		1,262 78	
Stone crusher, supplies and repairs		219 75	
Stone:			
Field Stone	51 35		
Crushed stone	8,006 73		
		8,058 08	
Special road treatment		4,361 29	
Street signs		72 34	
Teaming, as per payroll		996 75	
Tools, hardware and miscellaneous supplies		755 18	
Sundries:			
Car tickets	\$35 00		
Expenses to convention	75 15		
Express and freight	15 98		
Housing and raising topmast	24 98		
Miscellaneous supplies	16 32		
Miscellaneous repairs	41 16		
Salt	2 21		
Refreshments for committee	25 00		
Services of auctioner	25 00		
		260 80	
Repairs:			
Bitulithic pavement	\$3,962 08		
Bricks and cement	201 64		
		4,163 72	
Total			85,883 80
Excess of expenditure over appropriation			6,435 80
Transfer from Reserve Fund			6,435 80

Highways and Bridges—Continued

SIDEWALK REPAIRS

Appropriation \$8,000 00

EXPENDED

For labor, as per payroll	\$5,755 13	
Artificial stone sidewalks	4 80	
Bithulithic pavements	209 75	
Bricks	355 65	
Edgestone	106 76	
Gravel and freight	191 19	
Hardware, tools, etc.	21 08	
Lighting	13 53	
Teaming, as per payroll	337 50	
Total		6,995 39
Surplus of appropriation transferred to Reserve Fund		1,004 61

SPRINKLING

Appropriation \$35,000 00

EXPENDED

For salary of foreman	\$1,275 43	
Clerical services on assessments ...	1,419 92	
Miscellaneous supplies	30 99	
New Equipment	247 87	
Special road treatment:		
Dustoline	\$1,533 40	
Tarvia and Oil	20,845 32	
	22,378 72	
Sprinkling streets by contractors...	13,626 28	
Standpipe repairs	303 83	
Watering cart repairs	197 18	
Teaming, as per payrolls	501 00	
Total		39,981 22
Excess of expenditure over appropriation		\$4,981 22
Transfer from Reserve Fund		4,981 22

BRIDGES

Appropriation \$12,000 00

EXPENDED

For salaries of drawtenders	11,581 45	
Electrical supplies and repairs	65 32	
Carpentry and miscellaneous repairs	417 32	
Amounts carried forward	\$12,064 09	\$12,000 00

Highways and Bridges—Continued

BRIDGES—Concluded

<i>Amounts brought forward</i>	\$12,064 09	\$12,000 00
Blacksmithing	50 76	
Fuel	22 68	
Lighting	371 89	
Lumber	236 35	
Paint	38 46	
Topping	52 58	
Tools and miscellaneous supplies	6 46	
Labor, as per payrolls	605 64	
Total		13,448 91
Excess of expenditure over appropriation		\$1,448 91
Transfer from Reserve Fund		1,448 91

STREET DEPARTMENT BRIDGES—Continued

SUMMARY—Expenses

For salaries of drawtenders and assistants	\$11,581 45	
Commercial Avenue Bridge:		
Labor	\$322 44	
Supplies	395 18	
		717 62
First Street Bridge:		
Labor	\$9 00	
Supplies	551 01	
		560 01
Huron Avenue Bridge:		
Labor	\$22 25	
Supplies	5 88	
		28 13
Sixth Street Bridge:		
Labor	\$57 75	
Supplies	204 17	
		261 92
Third Street Bridge:		
Supplies		82 06
Walden Street Bridge:		
Labor	\$19 50	
Supplies	5 88	
		25 38
Wellington Street Bridge:		
Labor	\$157 45	
Supplies	5 88	
		163 33
Mount Auburn Street Bridge:		
Supplies		5 88
Huron Avenue Pipe Line Bridge:		
Labor	\$17 25	
Supplies	5 88	
		23 13
Total		\$13,448 91

Highways and Bridges—Continued

HORSES AND AUTOMOBILES

Appropriation		\$3,000 00
EXPENDED		
For automobiles	\$823 50	
Horses	2,176 50	
Total		3,000 00

CROSSINGS

Appropriation		\$1,000 00
EXPENDED		
For labor, as per payroll	\$582 78	
Cement	46 25	
Gravel and freight	73 43	
Teaming, as per payroll	9 00	
Total		711 46
Surplus of appropriation transferred to Reserve Fund		\$288 54

STREET LIGHTING

Salaries

Appropriation		\$1,000 00
EXPENDED		
For salary of Superintendent of Lamps	\$749 97	
Total		749 97
Surplus of appropriation transferred to Reserve Fund		\$250 03

General Expenses

Appropriation		\$73,175 00
EXPENDED		
For automobile registration and licenses	\$22 00	
Automobile supplies and repairs	443 61	
Car tickets	80 00	
Electrical supplies	20 09	
Expenses to convention	28 00	
Amounts carried forward	\$593 70	\$73,175 00

Highways and Bridges—Continued

STREET LIGHTING—Concluded

<i>Amounts brought forward</i>	\$593 70	\$73,175 00
Heating office	100 00	
Lighting streets:		
Electric	62,770 70	
Gas	8,197 90	
	<hr/>	70,968 60
Harness repairs	10 73	
Horse board	28 00	
Horseshoeing	2 94	
Oil and gasoline	21 17	
Rent of stable	120 00	
Relocating lamp post	11 23	
Stationery, printing and office supplies	32 30	
Typewriter	72 25	
	<hr/>	
Total		71,960 92
Surplus of appropriation transferred to Reserve Fund		<hr/> \$1,214 08 <hr/>

MT. AUBURN STREET BRIDGE

Appropriation		\$400 00
EXPENDED		
For labor, as per payroll	\$23 01	
Lumber	62 80	
	<hr/>	
Total		85 81
Surplus of appropriation transferred to Reserve Fund		<hr/> \$314 19 <hr/>

BOSTON AND CAMBRIDGE BRIDGES

Salaries

Appropriation		\$11,300 00
EXPENDED		
For salaries of:		
Bridge Commissioner	\$850 00	
Clerks	250 00	
Drawtenders and assistants:		
At Cambridge Bridge	\$1,595 10	
Harvard Bridge	2,646 68	
Prison Point Bridge	2,790 84	
River Street, Western Avenue, and Boylston Street Bridge	2,780 98	
	<hr/>	
<i>Amounts carried forward</i>	\$9,813 60	\$1,100 00
		<hr/> \$11,300 00 <hr/>

Highways and Bridges—Continued

BOSTON AND CAMBRIDGE BRIDGES—Continued

<i>Amounts brought forward</i>	\$9,813 60	\$1,100 00	\$11,300 00
Substitutes	422 62	10,236 22	
Total			11,336 22
Excess of expenditure over appropriation			36 22
Transfer from Reserve Fund			36 22

General Expenses

Appropriation	\$6,600 00
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EXPENDED

For Commissioners' and office expenses:

Car tickets	\$50 00	
Expenses to convention	75 15	
Insurance, etc.	214 64	
Postage and stationery	44 66	
Services of physician	4 00	
Telephone service	14 55	
		\$403 00

Cambridge Bridge:

Brooms	\$6 75	
Lamp post repairs	84 69	
Lighting	1,568 20	
Painting	17 00	
Sand	7 21	
Teaming	102 00	
Tools and miscellaneous supplies ...	32 06	
		1,817 91

Harvard Bridge:

Blacksmithing	\$38 67	
Carpentry	643 84	
Cleaning	118 81	
Fuel	22 08	
House repairs	10 23	
Ice	3 00	
Lamp post repairs	4 83	
Lighting	828 37	
Lumber	627 46	
Sand and spreading	23 06	
Tools and miscellaneous supplies...	52 63	
		2,372 98

Brookline Street Bridge:

Lighting	\$220 69	
Sand	6 00	
		226 69

<i>Amounts carried forward</i>	\$4,820 53	\$6,600 00
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Highways and Bridges—Continued

BOSTON AND CAMBRIDGE BRIDGES—Concluded

<i>Amounts brought forward</i>	\$4,820 58	\$6,600 00
Prison Point Bridge:		
Blacksmithing	\$8 12	
Carpentry	309 58	
Fuel	20 39	
Lighting	9 74	
Lumber	343 32	
Plumbing	11 05	
Repairing gate, etc.	25 44	
Sand	1 95	
Tools and miscellaneous supplies ..	44 44	
	<hr/>	774 03
River Street Bridge:		
Carpentry	\$113 68	
Fuel	14 10	
Ice	6 10	
Lighting	27 35	
Lumber	297 92	
Tools and miscellaneous supplies...	25 57	
	<hr/>	484 72
Western Avenue Bridge:		
Carpentry	\$391 95	
Lighting	27 36	
Lumber	197 75	
Tools and miscellaneous supplies ...	16 84	
	<hr/>	633 90
Total		6,713 23
Excess of expenditure over appropriation		\$113 23
Transfer from Reserve Fund		113 23
		<hr/>

LAND DAMAGES

Appropriation from 1913-14	\$786 90
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EXPENDED

Land and damage, Anglin Street, McClellan, Casey and Brickley, attorneys for U. S. Column Co..	\$230 00	
Services of Attorney (Wellington Case)	275 00	
Printing copies, evidence, etc.	206 50	
Searching records	75 00	
	<hr/>	
Total		786 50
Balance of appropriation		\$ 40
		<hr/>

Highways and Bridges—Continued

EDGESTONES AND SIDEWALKS

Re-appropriation 1913-14	\$9,635 38
Transferred from revenue	3,600 04
	<hr/>
	\$13,235 42

EXPENDED

For labor, as per payrolls	\$5,834 47
Allowance on artificial stone	1,311 22
Artificial stone sidewalks	150 23
Bricks	3,247 04
Edgestones	1,750 96
Gravel, freight, sand, etc.	335 53
Hardware, tools, etc.	240 53
Hay, grain and straw	121 01
Lighting	56 18
Teaming	188 25
	<hr/>
Total	13,235 42

REBUILDING AND CONSTRUCTION STREETS

BENT STREET

Appropriation	\$3,600 00
Transfer to Vine Street	90 44
	<hr/>
	\$3,509 56

EXPENDED

For labor, sundry persons as per payroll	\$1,675 47
Crushed stone	936 28
Dumping privileges	15 75
Fuel	7 06
Teaming	295 50
Tarvia	578 96
	<hr/>
Total	3,509 02
	<hr/>
Balance of appropriation transferred to Sinking Funds	\$ 54

BINNEY STREET

Appropriation	\$13,700 00
Re-appropriation, 1913-14, Ames Street	
Extension	\$588 48
Re-appropriation, 1913-14, Fifth Street.	202 67
Re-appropriation, 1913-14, Erie Street...	372 41
Re-appropriation, 1913-14, Sixth Street.	429 10
	<hr/>
	1,592 66
	<hr/>
Amount carried forward	\$15,292 66

Highways and Bridges—Continued

BINNEY STREET—Concluded

Amount brought forward	\$15,292 66
Transferred to Massachusetts Avenue, north of Porter Station...	436 25
	<u>\$14,856 41</u>

EXPENDED

For labor, as per payroll	\$4,435 04	
Cement	880 57	
Concrete stone	435 66	
Crushed stone	5 60	
Dumping privilege	84 25	
Edgestones	741 98	
Granite flagging	6,276 40	
Gravel and freight	413 52	
Hardware, tools, etc.	110 46	
Hay, grain and straw	324 68	
Lighting	60 00	
Teaming	1,088 25	
	<u>14,856 41</u>	
Total		<u><u>14,856 41</u></u>

CUSHING STREET

Appropriation	\$3,800 00
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EXPENDED

For labor, as per payroll	\$1,378 81	
Crushed stone	1,224 96	
Fuel	33 18	
Hay, grain and straw	128 42	
Tarvia	1,032 56	
	<u>3,797 96</u>	
Total		<u>3,797 96</u>
Balance of appropriation transferred to Sinking Funds		<u>\$2 04</u>

CAMBRIDGE STREET

Appropriation	\$50,000 00
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EXPENDED

For labor	\$14,357 27	
Asphalt filler	72 53	
Cement	2,752 77	
Concrete stone	1,704 15	
	<u>\$18,886 72</u>	
Amounts carried forward		<u>\$50,000 00</u>

Highways and Bridges—Continued

CAMBRIDGE STREET—Concluded

<i>Amounts brought forward</i>	\$18,886 72	\$50,000 00
Crushed stone	222 62	
Dumping privileges	47 50	
Expansion joints	231 77	
Fuel	26 88	
Gravel and freight	695 90	
Hardware and tools	161 25	
Hay, grain and straw	1,288 37	
Lighting	83 17	
Lumber	113 84	
Printing	14 70	
Sand	209 54	
Teaming	3,243 00	
Wood blocks	24,774 27	
Total		49,999 53
Surplus of appropriation transferred to Sinking Funds		\$ 47

FRANCIS AVENUE

Appropriation	\$5,000 00
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EXPENDED

For labor, as per payroll	\$2,013 12	
Brick	9 60	
Cement	46 25	
Crushed stone	1,602 08	
Hay	96 80	
Oil	24 30	
Special road treatment	938 00	
Tarvia	263 79	
Teaming	6 00	
Total		4,999 94
Balance of appropriation transferred to Sinking Funds		\$ 06

EXTENSION OF FRANCIS AVENUE

Appropriation from Revenue	\$412 50
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EXPENDED

For labor, as per payroll	\$187 35	
Crushed stone	225 15	
Total		412 50

Highways and Bridges—Continued

GARDEN STREET

Re-appropriation, 1913-14	\$1,264 95
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EXPENDED

For bithulithic pavement	\$1,264 95
Total	1,264 95

INMAN SQUARE

Appropriation	\$8,000 00
Transferred to Massachusetts Avenue, north Porter Station	1,013 81
	\$6,986 19

EXPENDED

For labor, as per payroll	\$1,580 63
Cement	425 40
Concrete stone	144 65
Expansion joint	94 05
Gravel	106 46
Teaming	255 00
Wood blocks	4,380 00
Total	6,986 19

LEXINGTON AVENUE, HURON AVENUE TO BRATTLE STREET

Appropriation	\$4,000 00
Transfer from Winter Street	7 32
	\$4,007 32

EXPENDED

For labor, as per payroll	\$1,208 47
Asphalt	686 00
Crushed stone	1,613 02
Fuel	28 50
Lighting	17 97
Tarvia	453 36
Total	4,007 32

MASSACHUSETTS AVEUE, NORTH OF PORTER STATION

Appropriation	\$95,000 00
Amount carried forward	\$95,000 00

Highways and Bridges—Continued

MASSACHUSETTS AVENUE, NORTH OF PORTER STATION—
Concluded

<i>Amount brought forward</i>		\$95,000 00
Transfer from Broadway, 1913-14	\$47 80	
Transfer from Boston and Cambridge Bridges Recon- struction	2,813 37	
Transfer from Binney Street	436 25	
Transfer from State Street	621 40	
Transfer from Ninth Street	41 48	
Transfer from Inman Square	1,013 81	
Transfer from Walden Street Bridge	450 00	
	<hr/>	5,424 11
		<hr/> \$100,424 11

EXPENDED

For labor, as per payrolls	\$25,190 00	
Advertising	4 90	
Bithulithic pavement	33,669 05	
Cement	1,576 06	
Crushed stone	624 34	
Concrete	453 66	
Expansion joint	84 13	
Fuel	72 98	
Gravel and freight	833 19	
Hardware and tools	406 30	
Hay, grain and straw	563 16	
Lighting	279 47	
Lumber	147 56	
Sand	457 87	
Wood blocks	33,118 79	
Teaming	2,941 50	
	<hr/>	100,422 96
Total		<hr/> \$1 15
Surplus of appropriation transferred to Sinking Funds		<hr/>

NINTH STREET

Appropriation	\$10,000 00	
Transfer to Massachusetts Avenue	41 48	
	<hr/>	\$9,958 52

EXPENDED

For labor, as per payroll	\$3,333 47	
Asphalt	40 49	
Cement	697 30	
Concrete stone	383 26	
Dumping privileges	27 75	
Gravel and freight	297 64	
	<hr/>	
<i>Amounts carried forward</i>	\$4,780 32	\$9,958 52

Highways and Bridges—Continued

NINTH STREET—Concluded

<i>Amounts brought forward</i>	\$4,780 32	\$9,958 52
Hardware, tools, etc.	62 87	
Lumber	29 74	
Paving blocks	4,100 50	
Teaming	985 50	
Total		9,958 52

SIXTH STREET

Appropriation	\$11,700 00
Transfer from State Street	3 19
	<u>\$11,703 19</u>

EXPENDED

For labor	\$3,916 57
Cement	674 93
Edgestones	130 22
Dumping privileges	42 25
Granite blocks	4,888 35
Gravel and freight	240 98
Hardware, tools, etc.	125 53
Hay, grain and straw	242 02
Lighting	44 35
Concrete stone	395 24
Teaming	1,002 75
Total	<u>11,703 19</u>

STATE STREET, OSBORNE TO MASSACHUSETTS AVENUE

Appropriation	\$12,600 00
Transfer to Sixth Street	\$3 19
Transfer to Massachusetts Avenue	611 40
	<u>642 59</u>
	<u>\$11,975 41</u>

EXPENDED

For labor	\$4,200 58
Cement	1,217 50
Concrete stone	442 87
Edgestone	341 93
Granite paving blocks	4,132 95
Gravel and freight	330 48
Hardware and tools	43 51
Hay, grain, etc.	212 59
Teaming	1,053 00
Total	<u>11,975 41</u>

Highways and Bridges—Continued

VINE STREET

Appropriation	\$3,600 00
Transfer from Bent Street	90 44
	<hr/>
	\$3,690 44

EXPENDED

For Labor, as per payroll	\$923 23
Crushed stone	1,887 99
Fuel	4 68
Tarvia	796 54
Teaming	78 00
	<hr/>
Total	3,690 44
	<hr/>

WESTERN AVENUE, PLEASANT STREET; WESTERLY

Appropriation	\$10,000 00
Re-appropriation, 1913-14	2,355 26
	<hr/>
	\$12,355 26

EXPENDED

For labor, as per payroll	\$6,975 78
Asphalt filler	6 80
Cement	2,265 16
Concrete stone	343 48
Crushed stone	395 65
Gravel and freight	490 14
Hardware and tools	120 17
Hay, grain and straw	456 71
Lighting	164 39
Lumber	4 90
Sand	150 47
Teaming	912 00
Vitrified paving blocks	69 50
	<hr/>
Total	12,355 15
	<hr/>
Balance of appropriation transferred to Sinking Funds.....	11
	<hr/>

WINTER STREET

Appropriation	\$2,500 00
Transfer to Lexington Avenue	7 32
	<hr/>
Amount carried forward	\$2,492 68

Highways and Bridges—Continued

WINTER STREET—Concluded

Amount brought forward \$2,492 68

EXPENDED

For labor, as per payroll	\$696 37	
Crushed stone	975 71	
Fuel	16 37	
Tarvia	768 23	
Teaming	36 00	
Total		2,492 68

BOSTON AND CAMBRIDGE BRIDGES RECONSTRUCTION

Re-appropriation Harvard Bridge, Special 1913-14	\$2,197 38
Re-appropriation Brookline Street Bridge, 1913-14	1,547 75
	<u>\$3,745 13</u>
Transferred to Massachusetts Avenue	2,813 37
	<u>\$931 76</u>

EXPENDED

Harvard Bridge:		
Carpentry	\$88 50	
Cambridge Bridge:		
Insurance	\$35 95	
Painting	215 82	
Miscellaneous supplies	3 87	
	<u>255 64</u>	
Prison Point Bridge:		
Hardware, tools, etc.	\$16 95	
Painting	538 44	
	<u>555 39</u>	
Western Avenue Bridge:		
Carpentry	\$29 50	
Tools, etc.	2 73	
	<u>32 23</u>	
Total		931 76

HURON AVENUE BRIDGE

Appropriation	\$4,000 00
Transfer from Walden Street Bridge	9 90
	<u>\$4,009 90</u>

EXPENDED

For labor, as per payrolls	\$1,001 79	
Amount carried forward	\$1,001 79	\$4,009 90

Highways and Bridges—Concluded

HURON AVENUE—Concluded

<i>Amounts brought forward</i>	\$1,001 79	\$4,009 90
Asphalt filler	133 79	
Hardware, tools, etc.	97 30	
Iron work	497 23	
Lumber	1,456 05	
Mastic	104 23	
Wood blocks	719 51	
Total		4,009 90

WALDEN STREET BRIDGE

Appropriation		\$8,000 00
Transfer to Massachusetts Avenue, North Porter Station	\$450 00	
Transfer to Huron Avenue Bridge	9 90	
		459 90
		\$7,540 10

EXPENDED

For labor, as per payrolls	\$246 68	
Advertising	24 50	
Blue prints	1 68	
Bithulithic pavement	468 75	
Bricks	9 04	
Contract for construction	6,033 00	
Granolithic sidewalk	224 25	
Hardware, tools, etc.	2 74	
Iron work	96 77	
Printing	15 68	
Sand and cement	2 27	
Steel beams	64 32	
Stone cutting	30 70	
Teaming	6 00	
Testing material	40 79	
Total		7,267 17
Balance of appropriation		272 93

CHARITIES

OUTSIDE AID

Salaries

Appropriation		\$6,877 92
EXPENDED		
For salaries of:		
Secretary of Overseers of Poor	\$1,565 00	
<i>Amounts carried forward</i>	\$1,565 00	\$6,877 02

Charities—Continued

OUTSIDE AID—Continued

<i>Amounts brought forward</i>	\$1,565 00	\$6,877 02
Visitor	1,660 00	
Clerk	910 00	
Driver of aid wagon	494 05	
Agent	675 00	
Helpers	13 00	
City physician	2,000 00	
Total		7,317 05
Excess of expenditure over appropriation		\$439 13
Transfer from Reserve Fund		439 13

General Expenses

Appropriation	\$58,420 00
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EXPENDED

For general administration:

Advertising	\$9 80	
Annual report	24 00	
Automobile supplies and repairs ...	101 78	
Car tickets	300 00	
Cash penalty to state for failure to make returns	54 00	
Directories	18 00	
Expressage	15 21	
Ice	23 52	
Laundry and towel supplies	10 43	
Lighting	43 73	
Office furniture	80 70	
Painting and glazing	86 01	
Services of physician	89 90	
Stationery, printing and office sup- plies	205 96	
Telephone service	98 87	
Wagon repairs	6 86	
		\$1,168 77

Outside Relief:

Board and care of children:

By State Board of Charity	\$60 58	
In hospitals	17 00	
In institutions	1,313 85	
In private homes	2,127 91	
		3,519 34

Board at state infirmary	\$591 76	
Board at hospitals	3,344 14	
Partial support	857 66	
Burials	684 00	
Cash aid	12,027 02	
Cash aid, mothers' aid	27,843 00	
		45,347 58

<i>Amounts carried forward</i>	\$50,035 69	\$58,420 00
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Charities—Continued

OUTSIDE AID GENERAL EXPENSES—Concluded

<i>Amounts brought forward</i>	\$50,035 69	\$58,420 00
Expenses on account of persons sent to institutions:		
Ambulance hire	\$379 26	
Attendants	74 00	
Railroad fares, etc.	55 25	
	<hr/>	508 51
Supplies and distribution:		
Baskets	\$29 15	
Clothing	73 03	
Food	9,446 05	
Fuel	2,190 23	
Medical and surgical supplies	511 95	
Paper and twine	52 23	
Soap	257 24	
	<hr/>	12,559 88
Relief given by other cities and towns	2,472 55	
Relief given by other cities and towns for mothers' aid	566 43	
	<hr/>	
Total		66,142 86
Excess of expenditure over appropriation		7,722 86
Transfer from Reserve Fund		7,722 86
		<hr/>

CITY HOME

Salaries

Appropriation		\$8,000 00
EXPENDED		
For salaries of:		
Superintendent	\$1,482 69	
Sundry house employees	7,985 36	
	<hr/>	
Total		9,468 05
Excess of expenditure over appropriation		\$1,468 05
Transfer from Reserve Fund		1,468 05
		<hr/>

General Expenses

Appropriation		\$18,700 00
EXPENDED		
For advertising	\$26 85	
Ambulance	5 88	
Automobile hire	43 12	
Board at hospital	145 71	
Burials	204 00	
	<hr/>	
<i>Amounts carried forward</i>	\$425 56	\$18,700 00

Charities—Continued

CITY HOME—Concluded

<i>Amounts brought forward</i>	\$425 56	\$18,700 00
Car tickets	160 00	
Care and repair of buildings:		
Bricks, lime, cement, etc.	\$79 82	
Carpentry and lumber	1,467 47	
Electrical supplies	57 03	
Heating apparatus	134 32	
Masonry	191 56	
Metal ceiling	73 50	
Painting	158 37	
Plastering and whitening	60 61	
Plumbing	37 43	
Roof repairs	105 36	
Tools and miscellaneous supplies	149 89	
	<hr/>	
	2,515 36	
Cash to inmates	235 65	
Cash for sundries	7 75	
Clergymen	72 00	
Clothing, dry goods, etc.	2,034 18	
Directory	4 00	
Disinfectant and insecticide	110 74	
Employment agency fee	1 57	
Expressage	46 34	
Fuel	1,272 81	
Furniture and furnishings	818 79	
Horse	272 60	
Ice	253 83	
Lighting	161 66	
Medicines	472 77	
Motor service	30 00	
Oil and gasoline	7 20	
Paper napkins, etc.	31 54	
Plants, seeds, etc.	11 76	
Salt	6 37	
Spectacles	11 87	
Sponges	2 23	
Soap, powder, matches, etc.	348 40	
Stationery, printing, etc.	70 99	
Wreaths	15 88	
Subsistence supplies	10,327 63	
Telephone service	72 63	
Tobacco	323 14	
	<hr/>	
		20,125 35
		<hr/>
Excess of expenditure over appropriation		1,425 35
Transfer from Reserve Fund		1,425 35
		<hr/>

CITY HOME "EMERGENCY"

Appropriation from Reserve Fund	\$2,000 00
<i>Amount carried forward</i>	<hr/> \$2,000 00

Charities—Continued

CITY HOME "EMERGENCY"—Concluded

<i>Amount brought forward</i>		\$2,000 00
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EXPENDED

For automobile hire	\$47 50	
Food	1,024 70	
Furniture and furnishings.....	871 27	
Soap	3 50	
Pipes, tobacco, etc.	5 60	
	<hr/>	
Total		1,952 57
		<hr/>
Surplus of appropriation transferred to Reserve Fund		\$47 43
		<hr/>

RESTORING AND CONSTRUCTING CITY HOME

Appropriation		\$40,000 00
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EXPENDED

For architects fee	\$1,623 00	
	<hr/>	
Total		1,623 00
		<hr/>
Balance of appropriation		\$38,377 00
		<hr/>

CITY FARM LABOR

Appropriation		\$4,000 00
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EXPENDED

For salary of farmer	\$1,060 00	
Labor, as per payroll	4,325 07	
	<hr/>	
Total		5,385 07
		<hr/>
Excess of expenditure over appropriation		\$1,385 07
Transfer from Reserve Fund		1,385 07
		<hr/>

General Expenses

Appropriation		\$1,200 00
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EXPENDED

For baskets	\$2 94	
Hay, grain and straw	431 78	
Horseshoeing	88 19	
Hose	23 72	
	<hr/>	
<i>Amounts carried forward</i>	\$546 63	\$1,200 00

Charities—Concluded

CITY FARM—Concluded

Amounts brought forward	\$546 63	\$1,200 00
Lighting	47	
Livestock	156 80	
Lumber	9 41	
Painting	7 64	
Rent of stand, at Mercantile Wharf Corporation	100 00	
Seeds and plants	209 16	
Tools and miscellaneous supplies	5 48	
Wagon repairs	53 85	
Total		1,089 44
Surplus of appropriation transferred to Reserve Fund		\$110 56

CITY HOME HOSPITAL

Salaries

Appropriation	\$1,050 00
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EXPENDED

For salaries of:

Nurses	\$636 00	
Attendants	318 00	
Cleaner	148 40	
Total		1,102 40
Surplus of appropriation transferred to Reserve Fund		\$52 40

General Expenses

Appropriation	\$600 00
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EXPENDED

For food	\$33 27	
Fuel	152 64	
Furniture and furnishings	106 33	
Lighting	57 27	
Medical and surgical supplies	267 26	
Medical attention	21 00	
Total		637 77
Excess of expenditure over appropriation		37 77
Transfer from Reserve Fund		37 77

STATE AID—SOLDIERS' RELIEF

Appropriation	\$28,960 00
Additional appropriation	2,800 00
	<hr/>
	\$31,760 00

EXPENDED

For general administration:

Salary of Clerk, Eben W. Pike	\$410 57	
Pension of clerk, Eben W. Pike ...	158 38	
Salary of Clerk, Edward Sullivan ..	263 04	
	<hr/>	831 99

Soldiers' burials:

Burial agent	\$12 00	
Burials	282 00	
	<hr/>	294 00

State Aid, as per payroll	12,464 00
Military Aid, as per payroll	488 00
Soldiers' Relief, as per payroll	17,100 00

Board, City Home	\$199 41
Carriage and ambulance hire	19 57
Certificate, Justice of Peace, Clerk..	7 00
Clothing	3 00
Fuel	54 46
Medicine	24 95
Relief by other cities and towns	162 00
Services of physician	12 50
Subsistence supplies	39 48
Transportation	5 50
Typewriter, New	90 00
Stationery, printing and office sup- plies	54 62

672 49

31,850 48

Excess of expenditure over appropriation	90 48
Transferred from Reserve Fund	90 48

EDUCATION

SCHOOL COMMITTEE EXPENSES

Re-appropriation 1913-14 balance	\$4,815 16
Appropriation, 1914-15	620,000 00
Revenue, 1914-15	13,799 65
	<hr/>
Total	\$638,614 81
	<hr/>
Amount carried forward	\$638,614 81

Education—Continued

SCHOOL COMMITTEE EXPENSES—Continued

Amount brought forward \$638,614 81

EXPENDED

For administrative salaries:

Superintendent, Michael J. Fitzgerald	\$5,000 00
Assistant Superintendent	3,000 00
Primary supervisor	1,350 00

9,350 00

Other general salaries:

Agent Constantine J. Church	1,500 00
Office clerks	3,740 42
Porter	804 00
Truant officers	5,609 00

11,653 42

Other General Expenses:

Advertising	273 51
Annual reports	297 14
Binding	4 40
Car tickets and railroad fare	480 98
Carriage and automobile hire	158 88
Census	252 33
Correction of Examination papers..	15 00
Directory	5 00
Expenses to convention	75 00
Printing, stationery, etc.	965 62
Services of stenographer	10 00
Sundries	7 00
Telephone service	744 93

3,289 79

Teachers' salaries:

High and Latin schools	74,251 24
Rindge Technical school	38,160 26
Wellington Teachers' Training school	23,498 04
Grammar schools	176,371 06
Primary schools	111,844 40
Manual Training in grades	4,265 65
Fresh Air School	973 92
Drawing instructor	948 00
Music instructor	888 00
Kindergarten teachers	23,736 10
Sewing teachers	3,927 63
Instructor in cooking	512 10

Substitutes:

High schools	2,432 00
Rindge Technical school	843 50
Grammar schools	2,353 76
Primary schools	3,153 71

8,782 97

Supervisor in drawing	2,100 00
Supervisor in music	2,100 00

Amount carried forward \$472,359 37 \$24,293 21 \$638,614 81

Education—Continued

SCHOOL COMMITTEE EXPENSES—Continued

<i>Amount brought forward</i>	\$472,369 37	\$24,293 21	\$638,614 81
Evening schools:			
Industrial school	2,285 50		
Cooking	16 00		
Freehand drawing	177 00		
High	3,152 00		
Elementary	6,580 00		
Evening Trade school..	306 00		
Sewing and millinery..	958 50		
Special classes	242 00		
Truant officers	24 00		
	<hr/>	13,741 00	
Special summer school	800 00		
Vacation schools	394 00		
Trade school for girls	6,360 48		
Special handwork	50 00		
Pension for school agent	1,424 00		
Athletic coach	275 00		
	<hr/>	495,403 85	
Text Books and supplies:			
Apparatus and supplies	11,131 97		
Books, maps and charts	10,085 75		
Binding	138 60		
Piano and organ tuning	44 00		
Postage and stamped envelopes	135 00		
Printing, stationery and supplies ..	4,036 25		
Soap	28 50		
Motor service at Rindge school	133 90		
	<hr/>	25,733 97	
Tuition:			
Industrial schools	60 00		
Transportation of pupils	385 20		
Support of truants	339 72		
	<hr/>	814 92	
Janitor service:			
Janitors and firemen, day schools...	48,229 18		
Janitors and firemen, evening schools	1,891 25		
Janitors, entertainments and rallies.	81 15		
Janitors at playgrounds	100 00		
Janitors, vacation schools	80 00		
Janitors and engineer at Rindge schools	200 00		
Janitors, day schools, pensioned	2,573 00		
Matron	544 57		
Laundress	365 28		
	<hr/>	54,065 43	
Fuel and light:			
Coal and wood	19,129 19		
Electric lightfing	2,207 80		
Gas lighting	905 36		
	<hr/>	22,242 35	
<i>Amounts carried forward</i>		\$622,553 73	\$638,614 81

Education—Continued

SCHOOL COMMITTEE EXPENSES—Continued

<i>Amounts brought forward</i>	\$622,553 73	\$638,614 81
Maintenance of buildings and grounds:		
Janitors supplies:		
Brooms, brushes, etc.	\$424 32	
Ash cans	88 44	
Disinfectant	89 95	
Oil, waste, etc.	27 80	
Sawdust	17 50	
Soap, paper towels, etc.	240 58	
Tools and miscellaneous supplies.	186 34	
	<hr/>	1,074 93
Repairs to buildings:		
Carpentry	177 13	
Clock repairs	89 58	
Express and teaming	1 96	
Fence (new)	664 52	
Heating and ventilating apparatus and repairs	1,249 94	
Lighting apparatus, gongs and elec- tric work	290 97	
Locks, keys, etc.	4 35	
Lumber	224 07	
Mason work, plastering, etc.	347 13	
Miscellaneous supplies for repairs..	67 17	
Painting and glazing	735 04	
Plumbing	906 01	
Repairs to desks and chairs	14 78	
Roof repairs and removing snow ...	498 32	
	<hr/>	5,270 97
Care of grounds:		
Carpenters	1,144 00	
Gardeners	740 25	
Cleaning trees	17 08	
	<hr/>	1,901 33
Flags and flagstuffs:		
Flags and halyards	114 46	
Raising and housing topmast	13 86	
	<hr/>	128 32
Furniture and furnishings:		
Chairs, desks, etc.	958 50	
Ladders	3 43	
Piano	20 00	
Soap dishes	5 59	
	<hr/>	987 52
Other school expenses:		
Auto hire	45 65	
Bonds	5 00	
Boiler insurance	167 34	
Express and teaming	530 55	
Operating lantern slides	2 00	
Refund of tuition	30 00	
Services of lecturer	12 00	
Sundry expenses	4 76	
	<hr/>	797 30
<i>Amounts carried forward</i>	\$632,714 10	\$638,618 81

Education—Continued

SCHOOL COMMITTEE—Continued

<i>Amounts brought forward</i>	\$632,714 10	\$638,618 81
Graduation expenses:		
Tickets and programs	73 56	
Sanders Theatre	20 47	
Diplomas	307 63	
Ribbons	67 80	
	<hr/>	
	469 46	
Total		633,183 56
Balance of appropriation		<hr/>
		\$5,431 25
		<hr/>

HAGGERTY SCHOOL

Appropriation	\$65,000 00
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EXPENDED

For Advertising	\$10 78	
Architects service	1,768 79	
Building (Contract)	15,397 50	
Engineers services	250 26	
Examination of title	65 00	
Heating (Contract)	4,731 75	
Land for schoolhouse	6,900 00	
Plumbing (Contract)	281 25	
Sundry Expenses:		
Carpentry	\$21 33	
Electrical work	6 39	
Glazing, painting, etc.	22 30	
Plumbing	235 12	
	<hr/>	
	285 14	
Total		29,690 47
Balance of appropriation		<hr/>
		\$35,309 53
		<hr/>

THORNDIKE SCHOOL

Appropriation brought from 1913-14	\$146 73
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EXPENDED

For furniture	\$144 93	
Total		144 93
Balance of appropriation transferred to Sinking Fund		<hr/>
		\$1 80
		<hr/>

Education—Concluded

AGGASSIZ SCHOOL

Appropriation	\$65,000 00
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EXPENDED

For land	\$5,000 00	
Searching titles	30 00	
Total		5,030 00
Balance of appropriation		<u>\$59,970 00</u>

LIBRARIES

CENTRAL LIBRARY

Appropriation	\$13,749 75
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EXPENDED

For salaries of:		
Librarian	\$2,000 00	
Head assistant	1,200 00	
Other regular assistants	6,853 54	
Sunday assistants, substitutes and pages	1,522 28	
Janitor and assistants	1,914 43	
Total		13,490 25
Surplus of appropriation transferred to Reserve Fund		<u>\$259 50</u>

General Expenses

Appropriation	\$9,887 25
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EXPENDED

For books, periodicals, etc.	\$4,393 31	
Binding	794 90	
Fuel	864 74	
Lighting	481 69	
Care and repair of buildings:		
Furniture and furnishings	\$598 16	
Inspection of boilers	10 00	
Janitors' supplies	27 09	
		635 25
Repairs:		
Carpentry	\$8 82	
Clock repairs	2 50	
Electrical work and supplies	477 44	
Amounts carried forward	\$483 76	\$7,168 99
		<u>\$9,877 25</u>

Libraries—Continued

CENTRAL LIBRARY—Concluded

<i>Amounts brought forward</i>	\$488 76	\$7,168 99	\$9,887 25
Heating apparatus repairs	10 80		
Installing hinged glass doors	205 00		
Painting	292 82		
Plumbing	26 75		
Roof repairs	48 45		
Sundries for repairs	25 96		
		1,098 54	
Other expenses:			
Car tickets	\$20 00		
Catalog cards	70 00		
Delivery to local stations	206 50		
Expressage, etc.	21 05		
Ice	12 20		
Insurance	456 00		
Laundry work, soap, etc.	89 50		
Printing, stationery and office sup- plies	392 29		
Rent of safe deposit vault	5 00		
Services in taking inventory	10 20		
Spring Water	12 50		
Telephone Service	134 40		
Typewriter and supplies	182 64		
Wreaths	2 45		
		1,614 73	
Total			\$9,883 16
Surplus of appropriation transferred to Reserve Fund			\$4 09

CAMBRIDGEPORT BRANCH

Salaries

Appropriation		\$1,327 50
EXPENDED		
For salaries of:		
Custodian	\$750 00	
Assistants	466 79	
Sunday assistants, pages, etc.	110 62	
Total		1,327 41
Surplus of appropriation transferred to Reserve Fund		\$ 09

General Expenses

Appropriation	\$2,100 00
<i>Amount carried forward</i>	\$2,100 00

Libraries—Continued

CAMBRIDGEPORT BRANCH—Concluded

Amount brought forward \$2,100 00

EXPENDED

For binding	\$201 61	
Books and periodicals	917 12	
Catalog cards	5 86	
Care and repair of buildings:		
Carpentry	\$32 34	
Furniture and furnishings	37 62	
Miscellaneous supplies	2 50	
		72 46
Expressage		36
Insurance		18 00
Lighting		87 72
Rent of buildings		720 00
Stationery, printing and office supplies		49 48
Telephone service		24 00
Wreaths		1 47
Total		2,098 08
Surplus of appropriation transferred to Reserve Fund.....		\$1 92

EAST CAMBRIDGE BRANCH

Salaries

Appropriation \$1,424 00

EXPENDED

For salaries of:		
Custodian	\$600 00	
Assistants	495 40	
Janitor	324 00	
Total		1,419 40
Surplus of appropriation transferred to Reserve Fund		\$4 60

General Expenses

Appropriation \$2,100 00

EXPENDED

For books and periodicals	\$1,365 73	
Binding	303 19	
Art assessment	6 00	
Catalog cards	70 00	
Amounts carried forward	\$1,744 92	\$2,100 00

Libraries—Continued

EAST CAMBBRIDGE BRANCH—Concluded

<i>Amounts brought forward</i>	\$1,744 92	\$2,100 00
Care and repairs of building:		
Carpentry	\$28 42	
Electrical supplies and repairs ...	28 51	
Furniture and furnishings	77 28	
Janitors' supplies	30 21	
	<hr/>	164 42
Expressage	1 90	
Lighting	126 46	
Stationery, printing and supplies	36 52	
Telephone service	24 00	
Wreaths	1 47	
	<hr/>	
Total		2,099 69
Surplus of appropriation transferred to Reserve Fund		<hr/> \$ 31 <hr/>

NORTH CAMBRIDGE BRANCH

Salaries

Appropriation	\$2,311 50
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EXPENDED

For salaries of:		
Custodian	\$844 56	
Assistants	1,066 77	
Pages	76 13	
Janitor	324 00	
	<hr/>	
Total		2,311 46
Surplus of appropriation transferred to Reserve Fund		<hr/> \$ 04 <hr/>

General Expenses

Appropriation	\$2,100 00
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EXPENDED

For books and periodicals	\$1,112 62	
Binding	507 46	
Art assessment	6 00	
Care and repair of building:		
Electrical supplies	\$2 50	
Furniture and furnishings	116 85	
Janitors' supplies	2 43	
Painting and plastering	19 00	
Supplies for repairs	18 55	
	<hr/>	159 33
<i>Amounts carried forward</i>	\$1,785 41	\$2,100 00

Libraries—Concluded

NORTH CAMBRIDGE BRANCH—Concluded

<i>Amounts brought forward</i>	\$1,785 46	\$2,100 00
Catalog cards	80 00	
Expressage	5 51	
Ice	10 02	
Lighting	134 83	
Stationery, printing and office supplies	48 04	
Typewriter repairs	3 25	
Telephone service	25 56	
Water	1 05	
Wreaths	1 47	
Total		2,096 04
Surplus of appropriation transferred to Reserve Fund		\$3 96

RECREATION

PARK DEPARTMENT MAINTENANCE

Salaries

Appropriation	\$2,936 00
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EXPENDED

For salaries of:		
General superintendent of parks	\$1,994 52	
Clerk	924 00	
Total		2,918 52
Surplus of appropriation transferred to Reserve Fund		17 48

General Expenses

Appropriation	28,300 00
Transfer to Street Department, for care of horses	432 00
	\$27,868 00

EXPENDED

For labor as per payroll	\$15,105 81	
Salaries of superintendents and attendants at fields:		
Superintendent at Cambridge Field	\$1,140 00	
Matrons	1,345 00	
Firemen and janitors	780 00	
	3,265 00	
<i>Amounts carried forward</i>	\$18,370 81	\$27,868 00

Recreation—Continued

PARK DEPARTMENT, MAINTENANCE, GENERAL EXPENSES—
Continued

<i>Amounts brought forward</i>		\$18,370 08	\$27,868 00
Attendants at bath house, Captains Island:			
Life guards	815 50		
Cashier	96 00		
Matron	32 00		
		943 50	
Attendants at floating baths:			
Lifeguards	216 00		
Matron	16 00		
		232 00	
General expenses:			
Annual reports		136 63	
Athletic supplies		35 28	
Automobile supplies and repairs:			
Automobile hire	\$58 55		
Automobile storage	71 00		
Automobile supplies and repairs	170 71		
		300 31	
Car tickets		5 00	
Directory		4 50	
Disinfectant		30 44	
Expenses to convention		75 15	
Expenses of committee		113 90	
Flooding fields		1 25	
Fuel and light:			
Fuel	432 17		
Lighting	4,555 75		
		4,987 92	
Gravel, sand, loam, etc.		104 83	
Horseshoeing and blacksmithing ..		58 82	
Hose		114 66	
Housing and raising top mast		22 78	
Inspection of boilers		5 00	
Laundry		375 74	
Medical supplies		1 84	
Oil for playgrounds		640 70	
Oil, grease, etc.		24 32	
Plants and seeds		37 34	
Repairs:			
Carpentry and lumber	710 40		
Fence repairs	13 00		
Granolithic walk repairs	126 04		
Gutters	86 25		
Heating and ventilating	15 91		
Hydrants	9 88		
Plumbing	162 50		
Stone cutting	4 50		
Lime and cement	7 86		
		1,136 34	
<i>Amounts carried forward</i>		\$27,757 76	\$27,868 00

Recreation—Continued

PARK DEPARTMENT MAINTENANCE—Concluded

<i>Amounts brought forward</i>	\$27,757 76	\$27,868 00
Signs	16 10	
Steam roller supplies	3 65	
Stationery, printing, and office supplies	252 62	
Tarvia	7 20	
Telephone service	168 80	
Turning water off and on	1 00	
Spring water	8 85	
Towing bath house	70 00	
Teaming	261 75	
Trees	6 00	
Supplies:		
Soap, towels, etc.	36 50	
Tools and miscellaneous supplies.	363 87	
	<hr/>	
	400 37	
Total		28,954 10
Excess of expenditure over appropriation		1,086 10
Transferred from Reserve Fund		1,086 10
		<hr/>

PARK DEPARTMENT—CONSTRUCTION AND LANDS

Appropriation from 1913-14	13,720 13
Appropriation	30,000 00
	<hr/>
	\$43,720 13

EXPENDED

For labor as per payroll	15,651 32
Advertising	42 63
Building sea wall	1,187 52
Filling, as per payroll	1,496 34
Fuel	21 32
Iron fence	1,478 23
Lawn seed	17 15
Loam, gravel, etc.	3,995 13
Lumber	171 65
Oil	68 26
Rebate on granolithic walks	498 87
Repairs to sea wall	5 80
Signs	15 68
Stone	3,219 24
Tarvia	2,336 20
Teaming, as per payroll	1,585 50
Tools and miscellaneous supplies	115 07
Use of derrick	65 33
Drainage:	
Bricks	331 48
Catch basins	58 20
Cement	119 18
	<hr/>
<i>Amounts carried forward</i>	\$508 86
	<hr/>
	\$31,974 74
	<hr/>
	\$43,720 13

Recreation—Continued

PARK DEPARTMENT—CONSTRUCTION AND LANDS—Concluded

<i>Amount brought forward</i>	\$508 86	\$31,974 74	\$43,720 13
Connecting pipe	10 00		
Frames and gates	285 67		
Pipe	573 39		
Sand	38 94		
	<hr/>	1,416 86	
Total			33,388 60
Balance of appropriation			<hr/> \$10,331 53 <hr/>

SHOWER BATHS, THORNDIKE SCHOOL

Appropriation	1,000 00
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EXPENDED

For salaries of:

Janitor	423 00
Assistant janitor	255 00
Matron	129 00
Laundress	174 00
Supplies, soap, etc.	20 58

Total	1,001 58
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Excess of expenditure over appropriation	\$1 58
Transferred from Reserve Fund	\$1 58

PLAYGROUND COMMISSION

Salaries

Appropriation	\$3,000 00
From Revenue (gift)	117 00
	<hr/> \$3,117 00

EXPENDED

For teachers' salaries	3,117 00
Total	<hr/> 3,117 00 <hr/>

PLAYGROUND—GENERAL EXPENSES

Appropriation	700 00
From revenue (gift)	101 01
<i>Amount carried forward</i>	<hr/> \$801 01

Recreation—Continued

PLAYGROUND—GENERAL EXPENSES—Concluded

Amount brought forward \$801 01

EXPENDED

For labor, as per payroll	37 42	
Athletic goods	309 80	
Car tickets	60 00	
Exhibition expenses:		
Blouses	16 66	
Chairs	1 50	
Erecting bond stand	25 00	
Music	78 80	
Prizes	82 00	
Programs, tickets, etc.	21 80	
Special cars	52 50	
	<hr/>	278 26
Materials, raffia, etc.	51 82	
Sand	13 64	
Setting up and taking down portable building ...	38 55	
Miscellaneous supplies	10 30	
	<hr/>	
Total		799 79
		<hr/>
Surplus of appropriation transferred to Reserve Fund		\$1 22
		<hr/>

CONSTRUCTION AND EQUIPMENT OF PLAYGROUNDS

Reappropriation (loan)	1,793 45
Appropriation (Maintenance)	5,000 00
	<hr/>
	6,793 45

EXPENDED

For labor, as per payroll	1,509 08	
Iron fences	3,734 27	
Loam	293 12	
Miscellaneous supplies, tools, etc.	1 71	
Trees	240 00	
Teaming, as per payroll	108 75	
	<hr/>	\$5,886 93
		<hr/>
Surplus of appropriation transferred to Reserve Fund		\$906 52
		<hr/>

LAND FOR PLAYGROUNDS

Reappropriation, 1913-14	3,015 00
Appropriation	25,000 00
	<hr/>
Amount carried forward	\$28,015 00

Recreation—Continued

LAND FOR PLAYGROUNDS—Concluded

<i>Amount brought forward</i>		\$28,015 00
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EXPENDED

For land	19,219 10	
Examination of title	90 00	
	<hr/>	
Total		19,309 10
		<hr/>
Balance of appropriation		8,705 90
		<hr/>

OILING PLAYGROUNDS

Appropriation		150 00
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EXPENDED

For oil		148 80
		<hr/>
Surplus of appropriation transferred to Reserve Fund		1 20
		<hr/>

CELEBRATION OF INDEPENDENCE DAY

Appropriation		\$1,000 00
From revenue		250 00
		<hr/>
		\$1,250 00

EXPENDED

For balls	\$22 50	
Fireworks	400 00	
Music	400 00	
Prizes	386 10	
Services of umpires	80 00	
Use of chairs	15 00	
	<hr/>	
Total		1,303 60
		<hr/>
Excess of expenditure over appropriation		\$53 60
Transfer from Reserve Fund		53 60
		<hr/>

CELEBRATION OF LABOR DAY

Appropriation		\$300 00
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EXPENDED

For badges	\$2 94	
Balls	5 88	
	<hr/>	
<i>Amounts carried forward</i>	\$8 82	\$300 00

Recreation—Concluded

CELEBRATION OF LABOR DAY—Concluded

<i>Amounts brought forward</i>	\$8 32	\$300 00
Music	200 00	
Prizes	75 00	
Services of umpires	15 00	
Total		298 82
Surplus of appropriation transferred to Reserve Fund		\$1 18

CELEBRATION OF MEMORIAL DAY

Appropriation	\$1,200 00
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EXPENDED

For observance of Memorial Day by the Grand Army of the Republic and Spanish War Veterans	\$1,200 00	
Total		1,200 00

CEMETERIES

CAMBRIDGE CEMETERY

Salaries and Labor

Appropriation	\$16,000 00
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EXPENDED

For salaries of:		
Suprintendent	\$2,000 00	
Clerk	1,100 00	
Foreman	338 63	
Labor, sundry persons, as per payroll	12,754 10	
Allowance on account of injuries	40 50	
Total		16,233 23
Excess of expenditure over appropriation		\$233 23
Transfer from Reserve Fund		\$233 23

General Expenses

Appropriation	\$1,150 00
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EXPENDED

For commissioners' and office expenses:		
Automobile hire	\$8.00	
Binding	9.00	
<i>Amounts carried forward</i>	\$17 00	\$1,150 44

Cemeteries—Continued

CAMBRIDGE CEMETERY—Concluded

<i>Amounts brought forward</i>		\$17 00	\$1,150 14
Bonds for clerks	18 00		
Car tickets	25 00		
Clock repairs	2 00		
Directories	8 50		
Fuel	93 60		
Furniture and repairs	1 50		
Gas	14 08		
Ice	10 37		
Services of notary	13 50		
Stationery, printing, etc.	130 88		
Subscriptions	2 00		
Telephone service	73 00		
		409 43	
Cement	\$122 34		
Decorating monument	20 00		
Duck covers	21 50		
Evergreen	36 50		
Floral wreaths	11 00		
Harness and repairs	14 91		
Hay, grain, etc.	97 77		
Horseshoeing	23 69		
Hose	20 25		
Glazing	3 20		
Lumber and stakes	29 53		
Moth extermination	60 00		
Overalls and coat	21 00		
Plumbing	4 83		
Seeds, plants, etc.	43 75		
Sods	70 50		
Teaming	69 90		
Tools, and miscellaneous supplies	294 28		
Water	2 00		
Vaults and covers	215 00		
		1,181 95	
Total			\$1,591 38
Excess of expenditure over appropriation			\$441 38
Transfer from Reserve Fund			441 38

REPLACING FIRE LOSS

Appropriation, transfer from Office Building and Grading loan \$1,500 00

EXPENDED

For advertising	\$8 00		
Bricks	28 50		
Cement	42 99		
Crushed stone	27 08		
Grave covers	43 25		
<i>Amounts carried forward</i>	\$149 82	\$1,500 00	

Cemeteries—Concluded

REPLACING FIRE LOSS—Concluded

<i>Amounts brought forward</i>	\$149 82	\$1,500 00
Harness repairs	1 40	
Horseshoeing	1 40	
Iron posts and signs	86 00	
Ladders	7 00	
Lumber	56 66	
Pots	11 15	
Printing, stationery, etc.	42 55	
Steel building	380 00	
Teaming	12 00	
Tools and miscellaneous supplies	403 15	
Vaults and covers	347 52	
Total		1,498 65
Surplus of appropriation transferred to Reserve Fund		\$1 35

UNCLASSIFIED

DAMAGES TO PERSONS AND PERSONAL PROPERTY

Appropriation	\$5,000 00
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EXPENDED

Execution of court:

For injuries from defect in streets:

Dallinger & Stearns, attorneys for Mary E. Watts	150 00
Dallinger & Stearns, attorneys for Agnes Flag	450 00
John Louis Sheehan, attorney for John D. Collins	50 00
John J. Mansfield, attorney for Giovanni Sattile	100 00
D. Walsh, attorney for Francis M. Gazan	225 00
Wilson, Juggins & Murphy, attorneys for Mark Michaels	200 00
A. J. Dailey, attorney for Bernard Shiffes, damage caused by overflow of water	125 00
M. J. Lynch, attorney for Thomas Sullivan, injury falling derrick	100 00
Michael F. O'Malley, attorney for Lewis L. Van Schack, damage to clothing by tar	60 00
Michael F. O'Malley, attorney for Roland P. Kelley, injury due to tar covering	50 00
Samuel Vaughn, attorney for Harvard Riverside Trust, damage to property from overflowing sewer	80 00
	1,590 00

Damages by falling trees:

Timothy F. Burns	\$17 50
Maurice M. Corkery	10 00

<i>Amounts carried forward</i>	\$27 50	\$1,590 00	\$5,000 00
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Unclassified—Continued

DAMAGES TO PERSONS AND PERSONAL PROPERTY—Continued

<i>Amounts brought forward</i>	\$27 50	\$1,590 00	\$5,000 00
John T. Farrell	75 00		
Mary McCorry	5 00		
Emma J. Semmons	100 00		
		207 50	
From defective sidewalk:			
Mary K. Galgay	\$50 00		
J. L. Glynn, attorney for Charles Maloney	75 00		
Thomas Lynch	25 00		
Julia Roach	75 00		
Albert Shine	50 00		
Emma L. Sweetland	300 00		
		575 00	
Damage to clothing:			
Mary E. Mulvaney	25 00		
Louis R. Nolan	30 00		
Marie A. Commins	15 00		
Edward W. Flannagan	12 50		
John Lucy	25 00		
Albert Cote	25 00		
Edna McIlvain	7 50		
		140 00	
Damages to Property:			
James Culhane	147 00		
Carmine Guerre	5 00		
Michael Hickey	35 00		
Anastatia & Timothy F. Kiely ...	125 00		
Mauel C. Mello	5 00		
		317 00	
Injuries:			
Joseph P. Monahan, falling from school window		100 00	
Sarah E. Mansfield, injured in Raymond Street Subway		100 00	
J. J. Scott, attorney for Catharine M. Murray, injury from projecting pipe		135 00	
Michael Healey, father of Frank Healey, injury from baseball on Thorndike Field		75 00	
Waldo M. Brigham, injury to arm from wire guard		25 00	
John L. Glynn, attorney for J. H. Flaherty, in- jury from falling over plank on Cambridge Street		35 00	
Bessie Klein, injury from falling on steps at City Hall		16 00	
John Broussard, injury from hole in raft at Magazine Beach		25 00	
Julia T. McNamara, injury from tarvia		50 00	
J. L. Glynn, attorney for Cypian Sanderson, in- jury from tarvia		75 00	
Alfred G. Dion, damage to auto		8 75	
<i>Amounts carried forward</i>		\$3,474 25	\$5,000 00

Unclassified—Continued

DAMAGES TO PERSONS AND PERSONAL PROPERTY—Concluded

<i>Amounts brought forward</i>	\$3,474 25	\$5,000 00
James O'Brien, damage to auto by oil on Hancock Street	25 00	
Total		3,499 25
Surplus of appropriation transferred to Reserve Fund		1,500 75

TEACHERS' PENSIONS

Appropriation	\$10,000 00
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EXPENDED

For teachers' pensions	\$11,316 18	
Total		11,316 18
Excess of expenditure over appropriation		\$1,316 18
Transferred from Reserve Fund		\$1,316 18

EXPENSE DANIEL A. HAGGERTY FUNERAL

Appropriation from Reserve Fund	\$1,111 42
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EXPENDED

For automobile hire	\$17 00	
Carriages	58 00	
Decorating City Hall	50 00	
Elevated cars	87 00	
Flowers	40 25	
Hearse	30 00	
Landeaus	280 00	
Lunches	527 57	
Miscellaneous, including chairs, candles	21 60	
Total		1,111 42

INDUSTRIAL COMMISSION

Appropriation	\$300 00
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EXPENDED

For photographs	\$300 00	
Total		\$300 00

Unclassified—Continued

PLANNING BOARD

Appropriation	\$500 00
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EXPENDED

For services as consultant	\$100 00	
Services of stenographer	15 88	
Office supplies	262 57	
Printing, stationery, etc.	79 00	
Sundries	2 00	
	<hr/>	
Total		460 15
		<hr/>
Surplus of appropriation transferred to Reserve Fund		\$39 85
		<hr/>

REFUND TAXES, 1912

Appropriation	\$25 623 98
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EXPENDED

For court order to return to Estate of T. T. Gannett	\$23,919 66	
Court order to return to Estate of A. Millan...	852 16	
	<hr/>	
Total		24,771 82
		<hr/>
Surplus of appropriation to Reserve Fund		\$852 16
		<hr/>

FREE EMPLOYMENT BUREAU

Appropriation from Reserve Fund	\$225 00
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EXPENDED

For salary of agent	225 00
	<hr/>

General Expenses

Appropriation from Reserve Fund	50 00
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EXPENDED

Car tickets	5 00	
Stationery, printing and office supplies	35 20	
Telephone service	6 90	
	<hr/>	
Total		47 10
		<hr/>
Surplus of appropriation transferred to Reserve Fund		2 90
		<hr/>

Unclassified—Concluded

MEMORIAL FLAG STAFF

Appropriation brought from 1913-14	\$275 00
From Revenue	363 50
	<hr/>
	\$638 50

EXPENDED

For labor, as per payroll	\$302 37
Filling	28 50
Miscellaneous supplies	6 62
Setting garden hydrants	45 52
Teaming	65 00
	<hr/>
Total	448 01
	<hr/>
Balance of appropriation	190 49
	<hr/>

PUBLIC SERVICE ENTERPRISES

WATER WORKS—CONSTRUCTION GENERAL

Appropriation brought from 1913-14	\$3,314 91
Additional appropriation	45,000 00
	<hr/>
	48,314 91

EXPENDED

For labor, as per payroll	\$11,801 15
Engineering, as per payroll	24 00
Teaming	22 50
Advertising	38 71
Cement	35 98
Easement in land, Bismarck Street	71 10
Expressage and freight	544 53
Expenses of inspection of filtration plant	269 25
Gate valves and boxes	1,121 11
Hydrants	442 28
Lead	726 47
Lumber	124 55
Meters	2,987 75
Miscellaneous supplies	79 83
Oil, packing, etc.	2 45
Pipes and fittings	4,572 19
Repairing streets	25 23
Services of Attorney (Hittinger case)	161 34
Unloading pipe on side track	26 00
	<hr/>
Total	23,076 42
	<hr/>
Balance of appropriation	\$25,238 49
	<hr/>

Public Service Enterprises—Continued

CONSTRUCTION HOBBS BROOK CONDUIT

Appropriation brought from 1913-14	\$9,579 39
--	------------

EXPENDED

Labor, as per payroll	\$396 29	
Cleaning vaults	47 63	
Examination of records	1 50	
Printing	12 50	
Total		457 92
Balance of appropriation		<u>\$9,121 47</u>

DETECTOR METERS

Appropriation brought from 1913-14	\$3,284 38
Additional appropriation from Revenue	451 28
	<u>3,735 66</u>

EXPENDED

For labor, as per payroll	\$18 75	
Building meter boxes	257 82	
Frames and covers	162 00	
Meters	925 00	
Total		1,363 57
Balance of appropriation		<u>\$2,372 09</u>

WATER WORKS, MAINTENANCE, SALARIES OF SUPERINTENDENT,
REGISTRAR, INSPECTORS AND CLERKS

Appropriation	\$20,521 17
Transferred from Revenue	25 16
	<u>\$20,546 33</u>

EXPENDED

For salaries of:		
Superintendent	\$2,020 45	
Registrar and clerk of Water Board	2,500 00	
Inspectors	10,044 21	
Clerks	5,981 67	
Total		<u>20,546 33</u>

Public Service Enterprises—Continued

MAINTENANCE, GENERAL EXPENSE

Appropriation	\$78,378 00
Transferred from Revenue	500 00
	<hr/>
	78,878 00

EXPENDED

For labor and per payroll	\$42,055 24	
Engineering, as per payroll	527 33	
Pension, as per payroll (Supt. Brooks)	1,109 00	
Teaming, as per payroll	22 50	
Advertising	20 82	
Automobile (new)	1,495 10	
Automobile registration and license	34 00	
Automobile supplies and repairs	1,142 63	
Badges	4 41	
Blacksmithing	467 97	
Car tickets	425 00	
Carriage hire	304 78	
Carriage and wagon repairs	104 90	
Cement and clay goods	37 54	
Cases against the city:		
Buckley & Harris, attorney for		
Jeremiah Dineen	100 00	
John F. Gadsby, Attorney for		
Jeremiah Allen	150 00	
Thomas Buttmer, Attorney for		
Ellen Sampson	450 00	
Thomas Buttmer, Attorney for		
Robert Sampson	1 00	
	<hr/>	
	701 00	
Damages	215 55	
Electrical supplies and repairs	145 04	
Entertainment of committee and inspections by		
Water Board	1,942 27	
Examination of titles to land taking	3 75	
Expressage and freight	164 24	
Expenses to Convention	75 15	
Fountain repairs	160 43	
Fuel	76 74	
Gate Boxes	256 16	
Gate Valves	692 50	
Hardware, tools and miscellaneous supplies	708 94	
Harness and repairs	140 75	
Hay, grain and straw	714 81	
Horseshoeing and clipping	347 27	
Hose and rubber goods	117 69	
Hydrants, posts, fittings, etc.	2,046 19	
Ice	7 25	
Lanterns and lights	58 09	
Lighting offices, stable and shop	32 72	
Lumber	318 92	
Medical attendance (Compensation Act)	5 00	
Meters, repairs, etc.	1,195 93	
	<hr/>	
Amounts carried forward	\$57,877 61	\$78,878 00

Public Service Enterprises—Continued

MAINTENANCE, GENERAL EXPENSES—Concluded

<i>Amounts brought forward</i>	\$57,877 61	\$78,878 00
Motor service at yard	30 35	
Oil, waste, packing	166 84	
Pipes, fittings, etc.	10,998 13	
Plumbing	13 27	
Repairs on buildings	1,223 00	
Repairs on pavements	303 72	
Rubber boots and clothing	17 49	
Service boxes	170 29	
Services of flagman	23 29	
Services of lawyer (Hittinger case)	2,625 75	
Sinking fund expenses:		
Salary of Treasurer	200 00	
Services of expert	200 00	
	400 00	
Taxes and moth assessments	1,914 78	
Office expenses and telephones:		
Addressograph supplies	340 68	
Directory	4 50	
Furniture	83 01	
Stationery, printing and office supplies	2,052 31	
Telephone service	246 59	
Typewriter (new)	90 00	
Typewriter repairs and supplies..	9 11	
	2,826 20	
Total		\$78,590 72
Surplus of appropriation transferred to Water Sinking Fund		287 28

FRESH POND RESERVOIR

Appropriation	11,598 00
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EXPENDED

For labor, as per payroll	\$9,966 54	
Advertising	41 16	
Auctioneers services	14 70	
Arsenate of lead, creosote, etc.	27 00	
Bicycle repairs	9 80	
Boat repairs	2 45	
Electrical supplies	3 46	
Harness repairs	6 37	
Haying	30 00	
Hay, grain and straw	68 30	
Horse (exchange)	300 00	
Horseshoeing and clipping	22 26	
Lumber	95 82	
Printing posters	2 94	
<i>Amounts carried forward</i>	\$10,590 80	\$11,598 00

Public Service Enterprises—Continued

FRESH POND RESERVOIR—Concluded

<i>Amounts brought forward</i>	\$10,590 80	\$11,598 00
Teaming	42 00	
Tools and miscellaneous supplies	63 36	
Total		10,696 16
Surplus of appropriation transferred to Water Sinking Fund		901 84

WATER DEPARTMENT: HOBBS BROOK RESERVOIR

Appropriation	1,831 96
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EXPENDED

For Salary of keeper	\$782 14	
Advertising	5 63	
Auctioneers services	24 50	
Hay, grain and straw	62 01	
Harness repairs	44	
Horseshoeing and clipping	26 46	
Inspector, medical	240 00	
Labor and use of haying machine	34 76	
Lumber	21 37	
Painting house and stable	211 90	
Repairing furnace	30 38	
Stationery	50	
Telephone service	39 43	
Tools and miscellaneous supplies	10 77	
Water Supply, keepers house	89 46	
Total		1,579 75
Surplus of appropriation transferred to Water Sinking Fund		252 21

PAYSON PARK RESERVOIR

Appropriation	1,615 00
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EXPENDED

For salary of keeper	\$893 00	
Labor, sundry persons	207 87	
Fuel	15 18	
Lighting	12 64	
Mason work on gate house, pointing, etc	375 00	
Tools and miscellaneous supplies	4 90	
Total		1,508 59
Surplus of appropriation transferred to Water Sinking Fund		106 41

Public Service Enterprises—Continued

STONY BROOK RESERVOIR

Appropriation	9,217 50
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EXPENDED

For salary of keeper	912 50
Labor, sundry persons	3,046 76
Car tickets	135 15
Cesspool and vault cleaning	1,220 76
Fuel	16 66
Harness repairs	5 00
Haying	10 00
Hay, grain, etc.	74 12
Horseshoeing	38 06
Lumber	5 28
Medical inspector	240 00
Permit to empty sewage	81 25
Plumbing	22 46
Planting trees	180 00
Repairs to house	38 12
Services of Physician (Compensation Act)	16 00
Stationery	50
Storage on cart	8 00
Teaming and measuring wood	19 50
Telephone service	54 82
Tools, and miscellaneous supplies	100 95
Use of Barge	96 00
Water rates	19 00
Total	6,340 89

Surplus of appropriation transferred to Water Sinking Fund	2,876 61
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WATER WORKS, PUMPING AND LABOR

Appropriation	\$11,500 00
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EXPENDED

For salary of Engineer	\$1,800 00
Assistant engineer	1,200 00
Labor, as per payroll	9,402 87
Total	12,402 87

Excess of expenditure over appropriation from Revenue	\$92 87
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Pumping General Expenses

Appropriation	\$15,100 00
Transfer from Revenue	12,000 00
Amount carried forward	27,100 00

Public Service Enterprises—Continued

WATER WORKS PUMPING AND LABOR—Concluded

Amount brought forward \$27,100 00

EXPENDED

For advertising	\$14 94	
Analysis of coal	68 63	
Building Coal Pocket:		
Building	\$7,300 00	
Plans	125 00	
Testing materials	84 00	
		7,529 00
Blacksmithing		24 89
Bricks		81 73
Disinfectant		3 67
Electric work and supplies		44 73
Engines, boilers, pumps, supplies and repairs...		1,134 81
Express and freight		25 74
Fuel		9,261 57
Inspection of boilers		10 00
Ice		39 00
Lumber		103 74
Oil, waste and packing		910 02
Repairs to buildings:		
Metal ceiling	507 45	
Sundry repairs	126 27	
		633 72
Rubber clothing		11 76
Stationery, etc.		2 30
Telephone service		79 37
Tools and miscellaneous supplies		157 75
Total		\$20,137 46
Surplus of appropriation transferred to Water Sinking Fund		\$6,962 54

ICE FOR FOUNTAINS

Appropriation \$1,210 00

EXPENDED

For Ice	747 68	
Total		747 68
Surplus of appropriation transferred to Water Sinking Fund		462 32

WATER SERIAL LOANS

Appropriation	\$19,000 00
Amount carried forward	\$19,000 00

Public Service Enterprises—Concluded

WATER SERIAL LOAN—Concluded

Amount brought forward \$19,000 00

EXPENDED

To redeem matured Water Bonds \$19,000 00
 Total \$19,000 00

SERVICES OF CITY TREASURER AND CITY SOLICITOR

Appropriation \$2,500 00

EXPENDED

For services of City Treasurer in collection of Water
 rates, etc. 1,500 00
 Services of City Solicitor 1,000 00
 Total \$2,500 00

ABATEMENTS AND REFUNDS

Appropriation \$5,500 00

EXPENDED

For abatements, as per registrar's certificates \$3,351 56
 Refunds, as per registrar's certificates 2,139 72
 Total 5,491 28
 Surplus of appropriation transferred to Water Sinking Fund \$8 72

INTEREST ON WATER LOAN

Appropriation \$116,000 00

EXPENDED

For interest on Water Loan \$111,132 75
 Total 111,132 75
 Surplus of appropriation transferred to Reserve Fund \$4,867 25

INTEREST

Appropriation \$356,297 75

EXPENDED

For interest on loans in anticipation of taxes	\$13,518 04	
Sanders Temperance Fund	\$600 00	
Daniel White Charity Fund	300 00	
Dowse Fund	600 00	
		1,500 00
Building loan	\$13,716 25	
City loan, acts of 1908	17,700 00	
Clay land loan	297 50	
Cambridge Bridge loans	59,483 50	
Harvard Bridge loans	16,880 00	
Commercial Avenue Bridge loans...	2,000 00	
Cambridge Bridge Special	980 00	
Hospital loan	5,025 00	
Metropolitant Park assessment ...	1,610 00	
Public library loan	945 00	
Schoolhouse loan	44,343 88	
Sewer loan	41,755 00	
Street loan	61,861 75	
Cemetery loan	280 00	
Park loan	58,530 00	
Playgrounds loan	4,450 00	
Charles River Basin Assessment..	2,000 00	
Municipal loan	5,394 50	
Charles River Basin Improvement..	2,625 00	
Sewer Separate System	1,090 00	
School Teachers' Increase of Salary loan	1,120 00	
		342,087 38
Total		357,105 42
Excess of expenditure over appropriation		\$807 67
Transfer from Reserve Fund		807 67

SINKING FUNDS

BROOKLINE BRIDGE

Amount of Fund, March 31, 1914	\$2,601 15	
Interest, 1914	102 75	
Appropriation for 1914	333 33	
Amount of Fund, March 31, 1915		\$3,037 23

CAMBRIDGE BRIDGE

Amount of Fund, March 31, 1914	\$205,482 09	
Interest, 1914	8,116 54	
Appropriation for 1914	12,184 67	
Amount of Fund, March 31, 1915		\$225,783 30

Sinking Funds—Continued

CAMBRIDGE BRIDGE SPECIAL

Amount of Fund, March 31, 1914	\$6,393 72	
Interest, 1914	252 55	
Appropriation for 1914	616 00	
	<hr/>	
Amount of Fund, March 31, 1913		\$7,262 27
		<hr/>

CHARLES RIVER BASIN

Amount of Fund, March 31, 1914	\$11,003 04	
Interest, 1914	434 62	
Appropriation for 1914	5,400 00	
	<hr/>	
Amount of Fund, March 31, 1915		\$16,837 66
		<hr/>

COMMERCIAL AVENUE BRIDGE

Amount of Fund, March 31, 1914	\$5,202 34	
Interest, 1914	205 49	
Appropriation for 1914	666 67	
	<hr/>	
Amount of Fund, March 31, 1915		\$6,074 50
		<hr/>

HARVARD BRIDGE

Amount of Fund, March 31, 1914	\$313,635 01	
Interest, 1914	12,388 58	
Appropriation for 1914	8,800 00	
	<hr/>	
Amount of Fund, March 31, 1915		\$334,823 59
		<hr/>

CITY OF CAMBRIDGE, ACTS OF 1908

Amount of Fund, March 31, 1914	193,556 62	
Interest, 1914	7,645 49	
Appropriation for 1914	36,000 00	
	<hr/>	
Amount of Fund, March 31, 1915		\$237,202 11
		<hr/>

CLAY LANDS

Amount of Fund, March 31, 1914	\$14,642 12	
Interest, 1914	578 36	
Appropriation for 1914	935 00	
	<hr/>	
	\$16,155 48	
Advanced to pay bonds at maturity	844 52	
	<hr/>	
	\$17,000 00	
Bonds maturing in 1914	17,000 00	
	<hr/>	

Sinking Funds—Continued

HOSPITAL

Amount of Fund, March 31, 1914	\$20,287 26	
Interest, 1914	801 35	
Appropriation for 1914	5,625 00	
	<hr/>	
Amount of Fund, March 31, 1915		\$26,713 61
		<hr/>

METROPOLITAN PARK ASSESSMENT

Amount of Fund, March 31, 1914	\$13,270 76	
Interest, 1914	524 20	
Appropriation for 1914	1,012 00	
	<hr/>	
Amount of Fund March 31, 1915		\$14,806 96
		<hr/>

PARK

Amount of Fund, March 31, 1914	\$506,950 40	
Interest, 1914	20,024 54	
Appropriation for 1914	25,666 66	
	<hr/>	
Amount of Fund, March 31, 1915		\$552,641 60
		<hr/>

PLAYGROUNDS

Amount of Fund, March 31, 1914	\$6,968 90	
Interest, 1914	275 23	
Appropriation for 1914	2,090 00	
	<hr/>	
Amount of Fund, March 31, 1915		\$9,334 18
		<hr/>

IMPROVED SEWERAGE

Amount of Fund, March 31, 1914	\$122,436 24	
Interest, 1914	4,835 84	
Appropriation for 1914	8,778 00	
	<hr/>	
Amount of Fund, March 31, 1915		\$136,040 08
		<hr/>

SEPARATE SYSTEM OF DRAINAGE

Amount of Fund, March 31, 1914	\$32,848 20	
Interest, 1914	1,297 51	
Appropriation for 1914	5,874 00	
	<hr/>	
Amount of Fund, March 31, 1915		\$40,019 80
		<hr/>

Sinking Funds—Continued

BOSTON ELEVATED SHARE CAMBRIDGE BRIDGE

Amount of Fund, March 31, 1914	\$257,500 00
Earnings each year to be deducted from Sinking Fund requirements of Cambridge Bridge Loans	
Amount of Fund, March 31, 1915	<u>\$257,500 00</u>

GENERAL

Amount of Fund, March 31, 1914	\$1,243,842 75
Interest, 1914	57,548 65
Appropriation for 1914	<u>161,469 50</u>
	\$1,462,860 90
Bonds maturing in 1914	<u>148,000 00</u>
	\$1,314,860 90
Addition reported by S. F. Commissioners in May, 1914	<u>8,236 10</u>
Amount of Fund, March 31, 1915	<u>\$1,323,097 00</u>

COMMISSIONERS OF SINKING FUNDS

Appropriation	\$275,450 83
---------------------	--------------

RECEIVED

From City Treasury, appropriation from 1914:	
Brookline Bridge	\$333 33
Cambridge Bridge	12,184 57
Cambridge Bridge Special	616 00
Charles River Basin	5,400 00
Commercial Avenue Bridge	666 67
Harvard Bridge	8,800 00
City of Cambridge, Acts of 1908	36,000 00
Clay Lands	935 00
Hospital	5,625 00
Metropolitan Park Assessment	1,012 00
Park	25,666 66
Playgrounds	2,090 00
Improved Sewerage	8,778 00
Separate System of Sewerage	5,874 00
General	<u>161,469 50</u>
	\$275,450 83
Interest accumulations	<u>115,876 27</u>
Amount carried forward	\$391,327 10

Sinking Funds—Concluded

COMMISSIONER OF SINKING FUNDS—Concluded

Amount added to fund, 1914-15	\$391,327 10
Amount of Fund, March 31, 1914	2,956,610 69
	<hr/>
	\$3,347,937 79
Amount added May, 1914, by Sinking Fund Commissioners	\$8,236 10
	<hr/>
	\$3,356,173 89
For matured bonds:	
Clay Land Loan	\$17,000 00
Building Loan	118,000 00
Street Loan	30,000 00
	<hr/>
	165,000 00
	<hr/>
Amount of fund, March 31, 1915	\$3,191,173 89
	<hr/>

MUNICIPAL SERIAL LOANS

Appropriation	\$31,550 00
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EXPENDED

For loans that have matured as follows:	
Park	\$2,000 00
Building	5,500 00
Municipal	1,500 00
Sewer	500 00
Schoolhouse	3,250 00
Street	10,800 00
School Teachers' Salary Increase	8,000 00
	<hr/>
Total	31,550 00
	<hr/>

WATER LOAN SINKING FUND

Amount of funds, March 31, 1914	\$1,719,049 81
Interest accumulations, 1914	69,026 33
Surplus, 1914	24,810 79
Appropriation for 1914	87,255 00
	<hr/>
Amount of funds, March 31, 1915	\$1,900,141 93
	<hr/>

ABATEMENT—TAXES

EXPENDED

Abatements, as per Assessors' certificates:	
Taxes for 1914:	
Real estate	\$20,407 58
Personal	17,887 42
	<hr/>
Amount carried forward	\$38,295 00

ABATEMENT TAXES—Concluded

Amount brought forward		\$38,295 00
Poll	658 30	
	<hr/>	38,953 00
Taxes for 1913:		
Real Estate	\$3,580 20	
Personal	2,082 84	
Poll	294 00	
	<hr/>	5,957 04
Taxes for 1912:		
Real Estate	\$71 40	
	<hr/>	71 40
Tax Collectors' Rebates:		
Year 1914	\$899 60	
Year 1913	2,397 73	
Year 1912	147 32	
Year 1911	1 00	
Year 1910	4 50	
Year 1909	50	
	<hr/>	3,450 65
Refunds:		
Year 1914	\$355 10	
Year 1913	1,396 88	
	<hr/>	1,751 98
Total		<hr/> \$50,184 07 <hr/>

ABATEMENTS, STREET SPRINKLING ASSESSMENTS

EXPENDED

For abatements, as per Assessors' certificates:		
Assessments of 1914	\$119 58	
Assessments of 1913	12 72	
	<hr/>	
Total		<hr/> \$132 30 <hr/>

ABATEMENTS, MOTH ASSESSMENTS

For abatements, as per Assessors' certificates:		
Assessments of 1914	\$17 10	
Assessments of 1913	2 32	
	<hr/>	
Total		<hr/> \$19 42 <hr/>

TAX LIEN ACCOUNT

EXPENDED

To return to sundry persons	\$12,175 26	
	<hr/>	
Total		<hr/> \$12,175 26 <hr/>

REFUNDS

Refunds on minors' licenses, school department	\$61 50	
Refunds on minors' licenses, police department	21 45	
Refund liquor license to State	15 25	
Refund-Tax Penalty to State on account of failure of Overseers of Poor to make return to State at specified time	54 00	
	<hr/>	\$152 20
		<hr/>

Office of City Auditor.

To the Honorable City Council of the City of Cambridge:

In compliance with the provisions of Section 8, Chapter 4, of the "Revised Ordinances of 1892," the undersigned herewith presents a statement showing the estimated revenue, the appropriations, receipts and payments to March 31, 1915, and the balance unexpended, arranged by departments and divisions, which are grouped according to their functions.

Respectfully submitted,

March 31, 1915.

CHARLES H. THURSTON, Auditor.

REVENUE ACCOUNTS	Receipts for March, 1915	Total Receipts	Estimated Receipts
Taxes. Real, Personal and Poll, 1914...	\$90,382 48	\$2,378,058 30	\$2,746,310 80
Taxes, previous years	2,756 72	277,003 69	275,000 00
Corporation Tax	8,659 20	159,913 74	160,000 00
National Bank Tax	134 70	15,498 17	17,500 00
Street Railway Tax		63,012 14	70,000 00
Licenses	281 50	6,145 00	4,800 00
Court Fines	570 90	3,130 11	4,800 00
Dog Licenses from County		3,263 42	4,000 00
Street Sprinkling	1,172 24	33,434 65	34,695 45
Moth Extermination Assessments	108 74	2,707 59	2,933 44
Election Expenses, City Clerk's Dept.		15 85	
City Clerk's Department	192 00	1,450 50	1,210 00
Law Department		1,005 13	1,000 00
Treasury Department	389 10	4,763 25	4,000 00
Municipal Buildings	3 00	717 00	4,500 00
Building Permits	342 00	646 00	
Postage and Stationery	105 89	1,622 26	2,000 00
Commissioner of Public Safety	66 30	110 55	
Electrical Department	30 00	1,888 00	500 00
Sealer of Weights and Measures	193 33	855 31	800 00
Moth Extermination Bills		87 33	150 00
Health Department	12,269 64	20,545 88	25,300 00
Modified Milk		523 02	650 00
Municipal Hospital	4 00	68 00	
Sewers, Maintenance	1 00	61 78	150 00
Sewer Construction		13 46	
House Offal	1,610 39	12,489 32	12,500 00
B. & C. Bridges		2 10	
Incinerators	75 00	900 00	900 00
Street Maintenance	54 88	*2,935 20	2,750 00
Street Sprinkling	30 00	113 28	
Sidewalk Repairs	40 31	1,483 88	1,600 00
City Home	211 31	417 57	500 00
City Home Hospital	5 00	209 99	300 00
City Farm	532 34	3,441 39	4,500 00
Outside Aid	278 79	16,820 82	7,500 00
Soldiers' Benefits	12 00	11,446 00	12,400 00
Schools, Tuition, Sales, etc.	499 16	13,861 15	10,000 00
Sale, Schoolhouse		5,855 00	6,000 00
Library Fines	214 94	1,015 43	1,000 00
Park Department, Rents		546 83	500 00
Park Department, Floating Bath			10 00
Cambridge Field Shelter	13 56	252 50	300 00
Rindge Field Shelter	8 64	134 14	100 00
Russell Field		193 46	10 00
Playground Maintenance		*232 75	
Bath House, Captain's Island		704 52	700 00
Thorndike School Shower Baths		79 57	50 00
Fourth of July Celebration		*250 00	
Cemetery Department	5,286 54	21,126 31	20,000 00
Interest	3,010 31	26,220 38	25,000 00
Water Works, Rates, etc.	11,521 96	402,235 76	405,000 00
Water Works, Miscellaneous	469 62	12,886 76	
Water Department Accrued Interest...		95 00	
Rent of Land, Harvard College		2,400 00	2,400 00
	\$141,537 50	\$3,514,889 24	\$3,874,319 69

*Part of Revenue Re-appropriated

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers From	Total Amount Appropriated	Expended in March	Total Amount Expended	Balances Unexpended
GENERAL GOVERNMENT							
City Council Expenses	\$5,000 00	\$2,528 45	\$54 84	\$7,473 61	\$930 16	\$7,473 71	
City Clerk							
Salaries	4,180 00	300 23	127 86	4,352 37	386 31	4,352 37	
Expenses	300 00	.....	4 19	295 81	106 01	295 81	
Pensions .....	.....	300 00	.....	300 00	50 00	300 00	
Executive Department							
Salaries	6,184 00	.....	01	6,183 99	524 75	6,183 99	
Expenses	900 00	34 25	53 60	880 65	98 90	880 65	
License Supervision	925 00	.....	7 58	917 42	75 00	917 42	
Auditing Department							
Salaries	5,900 00	157 13	.....	6,057 13	472 35	6,057 13	
Expenses	400 00	167 44	.....	567 44	273 50	567 44	
Treasurer and Collector							
Salaries	12,900 00	*176 06	.....	13,076 06	942 80	13,076 06	
Expenses	4,000 00	*1,895 67	.....	5,895 67	589 73	5,895 67	
Assessors' Department							
Salaries	14,900 00	666 03	.....	15,566 03	877 50	15,566 03	
Expenses	2,500 00	.....	167 96	2,332 04	91 61	2,332 04	
Assessors' Plans	200 00	.....	25	199 75	.....	199 75	
City Clerk's Department							
Salaries	7,600 00	.....	237 14	7,362 86	638 47	7,362 86	
Expenses	2,100 00	28 91	.....	2,128 91	303 98	2,128 91	
Classified General Index..	500 00	.....	8 33	491 67	69 85	491 67	
City Messenger's Department							
Salaries	1,920 00	197 28	.....	2,117 28	198 00	2,117 28	
Expenses	275 00	12 70	.....	287 70	57 09	287 70	
Postage and Stationery..	2,000 00	52 11	.....	2,052 11	241 32	2,052 11	
Law Department							
Salaries	4,282 00	.....	92 00	4,190 00	351 74	4,190 00	
Expenses	750 00	72 89	.....	822 89	215 80	822 89	
Elections and Registration							
City Clerk	11,920 00	713 45	.....	12,633 45	3,842 36	12,633 45	
Registrars of Voters	5,000 00	200 00	.....	5,200 00	1,024 33	5,200 00	
Polling Places	2,900 00	246 78	.....	3,146 78	1,014 56	3,146 78	
Engineering Department							
Salaries	8,700 00	.....	311 65	8,388 35	572 20	8,388 35	
Expenses	450 00	86 25	.....	536 25	86 99	536 25	
Superintendent and Insp. of Buildings							
Salaries	10,100 00	.....	203 90	9,896 10	855 23	9,896 10	
Expenses	1,000 00	.....	94	999 06	.....	999 06	
Civil Service Labor Registration	325 00	.....	1 98	323 02	40 45	323 02	
Municipal Buildings							
Salaries	12,750 00	204 15	.....	12,954 15	1,033 04	12,954 15	
Expenses and Repairs	9,500 00	.....	1 17	.....	1,495 96	9,498 83	
Administration of Sinking Funds	375 00	.....	4 00	371 00	50 00	371 00	
Tax Assessment Committee	.....	466 23	.....	466 23	308 60	466 23	
Amounts carried forward..	\$140,736 00	\$8,506 01	\$1,277 40	\$147,964 61	\$17,818 59	\$147,964 61	

SUMMARY OF EXPENDITURES TO APRIL 1, 1915—Continued

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers From	Total Amount Appropriated	Expended in March	Total Amount Expended	Balances Unexpended
Amounts brought forward..	\$140,736 00	\$8,506 01	\$1,277 40	\$147,964 61	\$17,818 59	\$147,964 61	
PROTECTION OF LIFE AND PROPERTY							
Commissioner of Public Safety	367,000 00	15,801 99		382,801 99	495 30	8,131 90	
Police Department							
Salaries					17,082 87	197,602 84	
Expenses						7,104 25	
Fire Department							
Salaries					12,384 34	145,538 53	
Expenses						24,424 47	
Fire and Police Telegraph and Inspection of Wires							
Salaries	14,350 00		231 24	14,118 76	1,043 85	14,118 76	
Expenses	3,550 00	73 81		3,623 81	305 78	3,623 81	
Fire Alarm and Keyholes Boxes	500 00					500 00	
Militia: Use of Rifle Range and Transportation							
Troop C; M. V. M.	225 00	244 46		469 46	312 95	469 46	
Headquarters; 8th Regt.	100 00	76 63		176 63	76 63	176 63	
Company A, 8th Regiment	225 00	141 51		366 51	160 50	366 51	
Company C, 8th Regiment	225 00	426 17		651 17	336 89	651 17	
Company E, 8th Regiment	225 00	112 51		337 51	112 13	337 51	
Company G; C. A. C.	225 00	146 13		371 13	173 38	371 13	
Sealer of Weights and Measures							
Salaries	4,960 00			4,960 00	366 74	4,960 00	
Expenses	1,200 00	*200 00	216 78	1,183 22	10 17	1,183 22	
FORESTRY							
Care of Trees	15,000 00	400 00	75 20	15,324 80	1,664 09	15,324 80	
HEALTH AND SANITATION							
Health							
Salaries	16,684 14	421 41		17,105 55	1,474 83	17,105 55	
General Expenses	12,670 00	6,636 71		19,306 71	6,607 44	19,306 71	
Diphtheria Hospital	7,800 00	636 13		8,436 13	884 31	8,436 13	
Tuberculosis Hospital	20,564 00	5,756 82		26,320 82	4,110 08	26,320 82	
Inspection of Milk and Vinegar	2,200 00	111 92	35 83	2,276 09	184 15	2,276 09	
Modified Milk	1,400 00	35 83		1,435 83		1,435 83	
Inspection of Animals ..	1,150 00	2 69		1,152 69	83 37	1,152 69	
Sanitation							
Sewers, Maintenance	20,000 00	658 93		20,658 93	1,422 33	20,658 93	
Refuse Collection and Disposal							
House Offal							
Labor	30,000 00	11,531 33	369 14	41,162 19	3,429 15	41,162 19	
Expenses	7,500 00	1,369 14	662 63	8,206 51	10 00	8,206 51	
Collection of Ashes	55,000 00	*8,560 39		63,560 39	5,165 81	63,560 39	
Snow Removal	40,000 00	3,670 27		52,595 27	3,625 58	52,595 27	

Amounts brought forward	Transfers to	\$2,868 22	\$842,238 50	\$79,341 26	\$842,238 50
HIGHWAYS AND BRIDGES					
Salaries—Superintendent of Streets and Clerks	\$67,692 58		6,831 52	642 57	6,831 52
Maintenance and Repairs	127 52		85,883 80	5,917 09	85,883 80
Horses and Automobiles	7,083 80		3,000 00		3,000 00
Crossings		288 54	711 46		711 46
Sidewalk Repairs		1,004 61	6,995 39		6,995 39
Street Sprinkling	5,000 00	18 78	39,981 22	99 72	39,981 22
Street Lighting					
Salaries		250 03	749 97		749 97
Expenses		1,214 08	71,960 92	6,248 09	71,960 92
Street Department: Bridges	1,448 91		13,448 91	904 40	13,448 91
Pensions	461 21		3,547 97	308 40	3,547 97
Special, Mt. Auburn St. Bridge		314 19	85 81		85 81
Boston and Cambridge Bridges					
Salaries and Labor	150 00	113 78	11,336 22	870 93	11,336 22
Expenses	113 23		6,713 23	270 69	6,713 23
CHARITIES					
City Farm					
Labor	1,385 07		5,385 07	342 16	5,385 07
Expenses		110 56	1,089 44		1,089 44
City Home					
Salaries	1,468 05		9,468 05	772 64	9,468 05
Expenses	1,425 35		20,125 35		20,125 35
Special Appropriation					
Tax Levy, 1915	2,000 00	47 43	1,952 57		1,952 57
City Home Hospital					
Salaries	161 02	108 62	1,102 40	83 20	1,102 40
Expenses	37 77		637 77		637 77
Outside Relief					
Salaries	439 13		7,317 05	663 38	7,317 05
Expenses	7,722 86		66,142 86	4,331 75	66,142 86
SOLDIERS' BENEFITS	*2,890 48		31,850 48	5,433 42	31,850 48
EDUCATION					
School Department Expenses					
Salaries	*5,000 00		633,861 15	52,137 03	572,404 28
All Other Expenses	*13,861 15			10,215 54	60,779 28
LIBRARIES AND READING ROOMS					
Central Library					
Salaries		259 50	13,490 25	1,133 46	13,490 25
General Expenses		4 09	9,883 16	644 30	9,883 16
Cambridgeport Branch					
Salaries		09	1,327 41	105 00	1,327 41
Expenses		1 92	2,098 08	154 01	2,098 08
East Cambridge Branch					
Salaries		4 60	1,419 40	113 37	1,419 40
Expenses		31	2,099 69	416 07	2,099 69
North Cambridge Branch					
Salaries		04	2,311 46	183 32	2,311 46
Expenses		3 96	2,096 04	309 28	2,096 04
Amounts carried forward	\$118,468 13	\$6,613 35	\$1,907,142 60	\$171,641 08	\$1,906,465 01
Amounts brought forward	\$1,795,287 82				\$677 59

SUMMARY OF EXPENDITURES TO APRIL 1, 1915—Continued

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers From	Total Amount Appropriated	Expended in March	Total Amount Expended	Balances Unexpended
Amounts brought forward..	\$1,795,287 82	\$118,468 13	\$6,613 35	\$1,907,142 60	\$171,641 08	\$1,906,465 01	\$677 59
RECREATION							
Park Maintenance							
Salaries	2,936 00	.....	17 48	2,918 52	241 15	2,918 52	
General Account	28,300 00	1,173 10	445 90	29,027 20	1,917 50	29,027 20	
Oiling, Fletcher, Morse and Wellington Grounds	150 00	.....	1 20	148 80	.....	148 80	
Shower Baths, Thorndike School	1,000 00	1 58	.....	1,001 58	30 00	1,001 58	
Playgrounds Commission							
Salaries	3,000 00	117 00	.....	3,117 00	.....	3,117 00	
Expenses	700 00	101 01	1 22	799 79	20 40	799 79	
Const. Equipment and Maintenance of Playgrounds	5,000 00	.....	906 52	4,093 48	790 85	4,093 48	
Celebrations:							
Independence Day	1,000 00	*** 303 60	.....	1,303 60	.....	1,303 60	
Labor Day	300 00	.....	1 18	298 82	.....	298 82	
Memorial Day	1,200 00	.....	.....	1,200 00	.....	1,200 00	
CEMETERIES							
Salaries and Labor	15,000 00	1,325 00	91 77	16,233 23	969 69	16,233 23	
General Expenses	1,150 00	441 38	.....	1,591 38	29 31	1,591 38	
INTEREST	356,297 75	807 67	.....	357,105 42	10,705 00	357,105 42	
SINKING FUNDS	275,450 83	.....	.....	275,450 83	.....	275,450 83	
SERIAL LOANS	31,550 00	.....	.....	31,550 00	8,500 00	31,550 00	
UNCLASSIFIED							
Reserve Fund	10,000 00	76,702 36	86,702 36	.....	.....	.....
Damages to Persons and Personal Property	5,000 00	.....	1,500 75	3,499 25	213 50	3,499 25	
Teachers' Pensions	10,000 00	1,316 18	.....	11,316 18	845 91	11,316 18	
Industrial Commission ..	300 00	.....	.....	300 00	.....	300 00	
Expenses of Haggerty funeral .....	.....	1,111 42	.....	1,111 42	.....	1,111 42	
Emergency Appropriations	8,000 00	.....	8,000 00	.....	.....	.....
Planning Board .....	.....	500 00	39 85	460 15	336 57	460 15	
Refund Taxes, 1912 .....	.....	25,623 98	852 16	24,771 82	.....	24,771 82	
Free Employment Bureau							
Salaries .....	.....	225 00	.....	225 00	75 00	225 00	
General Expenses .....	.....	50 00	2 90	47 10	8 70	47 10	
New System Accounts....	.....	3,098 03	.....	3,098 03	533 09	3,098 03	
Total for Revenue Accounts..	\$2,551,622 40	\$231,365 44	\$105,176 64	\$2,677,811 20	\$196,857 84	\$2,677,133 61	\$677 59

* Balance

** Additional Budget, \$50,123.98

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SUMMARY OF EXPENDITURES

SUMMARY OF EXPENDITURES TO APRIL 1, 1915—Continued

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers From	Total Amount Appropriated	Expended in March	Total Amount Expended	Balances Unexpended
MUNICIPAL INDUSTRIES							
Water Works							
Salaries of Superintendent	20,521 17	25 16		20,546 33	1,971 14	20,546 33	287 28
Registrar, Inspectors and Clerks	78,378 00	500 00		78,878 00	7,573 54	78,590 72	901 84
General Expenses	11,598 00			11,598 00	518 77	10,696 16	252 21
Fresh Pond Reservoir ..	1,831 96			1,831 96	83 51	1,579 75	106 41
Hobb's Brook Reservoir..	1,615 00			1,615 00	78 00	1,508 59	2,876 61
Payson Park Reservoir...	9,217 50			9,217 50	703 18	6,340 89	
Stony Brook Reservoir..							
Pumping							
Salaries	11,500 00	902 87		12,402 87	1,094 62	12,402 87	
Expenses	15,100 00	12,000 00		27,100 00	2,555 45	20,137 46	6,962 54
Services of City Treasurer							
and City Solicitor	2,500 00			2,500 00		2,500 00	
Ice for Fountains	1,210 00			1,210 00		747 68	462 32
Interest	116,000 00			116,000 00	695 00	111,132 75	4,867 25
Sinking Fund	87,255 00			87,255 00		87,255 00	
Serial Loans	19,000 00			19,000 00	500 00	19,000 00	
Abatements and Refunds	5,500 00			5,500 00	839 83	5,491 28	8 72
Total for Municipal Industries	\$381,226 63	\$13,428 03		\$394,654 66	\$16,613 04	\$377,929 48	\$16,725 18

SUMMARY OF EXPENDITURES TO APRIL 1, 1915—Continued

CITY AUDITOR

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TITLES OF ACCOUNTS	Loans	Receipts from Loans	Other Special Receipts	Amounts Reappropriated	New Appropriations	Total Appropriations	Expended In March	Expended to Date	Balances Un- expended
Amounts brought forward..	\$361,000 00	\$341,000 00	\$7,935 50	\$129,214 26	\$336,000 00	\$493,473 46	\$4,486 75	\$373,617 04	\$119,856 42
Bridges				477 17		477 17			477 17
Cambridge Bridge									
Boston and Cambridge Bridges Reconstruction.				3,745 13		931 76		931 76	
Walden Street Bridge	8,000 00	8,000 00			8,000 00	7,540 10		7,267 17	272 93
Huron Avenue Bridge	4,000 0	4,000 00			4,000 00	*4,009 90		4,009 90	
CHARITIES									
Restoring and Constructing City Home	40,000 00				40,000 00	40,000 00	1,623 00	1,623 00	38,377 00
EDUCATION									
Thorndike Schoolhouse				146 73		146 73		144 93	1 80
Haggerty Schoolhouse						65,000 00	5,990 43	29,690 47	35,309 53
Agassiz Schoolhouse	65,000 00	65,000 00		65,000 00	65,000 00	65,000 00		5,030 00	59,970 00
RECREATION									
Park Department Construction and Lands.	30,000 0	30,000 00		13,720 13	30,000 00	43,720 13	1,505 52	33,388 60	10,331 53
Land for Playgrounds.....	25,000 00			3,015 00	25,000 00	28,015 00		19,309 10	8,705 90
Construction and Equip- ment of Playgrounds....				1,793 45		1,793 45		1,793 45	
CEMETERY									
Office Building and Grading Replacing Fire Loss				3,973 22		**2,473 22			2,473 22
MUNICIPAL INDUSTRIES						1,500 00	831 55	1,498 65	1 35
Water Department									
Construction General ...	45,000 00	45,000 00	5,020 24	3,314 91	45,000 00	48,314 91	1,123 41	23,076 42	25,238 49
Hobb's Brook Conduit				9,579 39		9,579 39		457 92	9,121 47
Detector Meter			451 28	3,284 38		3,284 38		1,363 57	1,920 81
UNCLASSIFIED									
Premium Account			*3,558 54						
Sale Public Lands									
Memorial Flag Staff			*363 50	638 50		638 50		448 01	190 49
Totals for Special Funds Accounts	\$578,000 00	\$493,000 00	\$17,329 07	\$237,898 10	\$553,000 00	\$815,898 09	\$15,560 66	\$503,649 99	\$312,248 10

CITY TREASURY

DR.

To cash in Treasury, April 1, 1914	\$11,066 74	
Receipts from Revenue Fund Accounts	3,099,671 72	
Receipts from Water Rates, etc.	415,217 52	
Receipts from Special Funds Accounts	17,329 07	
Receipts from Loans	493,000 00	
Sinking Fund Commissioners	165,000 00	
Cemetery Fund and Deeds in Trust	3,357 50	
Tax Lien Account	7,725 01	
Temporary Loans, Taxes 1914	895,000 00	
Temporary Loan, taxes 1913	250,000 00	
		<u>\$5,357,367 56</u>

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By amount expended, Revenue Fund Accounts	\$2,677,133 61	
Amount expended, Water Revenue Accounts....	377,929 48	
Amount expended, Special Fund Accounts	503,649 99	
Abatements, Taxes	50,185 07	
Abatement Sprinkling Assessments	132 30	
Abatements Moth Assessments	19 42	
Refunds on Minors' Licenses, School Department	61 50	
Refunds on Minors' Licenses, Police Department	21 45	
Liquor Licenses to State	15 25	
Loan, Clay Lands	17,000 00	
Loan, Street	30,000 00	
Loan, Building	118,000 00	
Trustees of the Cemetery Fund and Deed in Trusts	3,357 50	
Tax Penalty to State	54 00	
Tax Lien Account	12,175 26	
Temporary Loan, Taxes 1913	250,000 00	
Temporary Loan, taxes 1914	645,000 00	
State, County and Metropolitan Taxes	585,933 28	
		<u>\$5,270,668 11</u>

Balance in Treasury, as per Auditors' Account, March 31, 1915 \$86,699 45

The following Loans have been authorized since April 1, 1914:

INSIDE DEBT LIMIT

Street Loans:

Bent Street	\$3,600 00
Binney Street	13,700 00
Cushing Street	3,800 00
Lexington Ave.....	4,000 00
Massachusetts Ave.....	95,000 00
State Street	12,600 00
Vine Street	3,600 00
Winter Street	2,500 00
Ninth Street	10,000 00
Cambridge Street	50,000 00
Sixth Street	11,700 00

Amount carried forward \$210,500 00

<i>Amount brought forward</i>	\$210,500 00
Western Avenue	10,000 00
Walden Street Bridge	8,000 00
Inman Square	8,000 00
Huron Avenue Bridge	4,000 00
Francis Avenue	5,000 00
Monroe Street	2,500 00
School-house Loan	65,000 00
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Total Inside Debt Limit	\$313,000 00

OUTSIDE DEBT LIMIT

Municipal Hospital	\$60,000 00
Separate System Drainage	45,000 00
Water Department Construction	45,000 00
Park Construction	30,000 00
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	\$180,000 00

The Net Borrowing Capacity	
Mar. 31, 1915, Inside Debt Limit	\$2,632 59

SCHEDULE B

Nos. I to VII

ASSETS AND LIABILITIES

SCHEDULE B-I

March 31, 1915

ASSETS		LIABILITIES	
Current Assets (B-II)	\$ 705,504 18	Current Liabilities (B-II)	\$ 44,349 62
Contingent Assets (B-III)	623,141 94	Contingent Liabilities (B-III)	21,714 27
Trust Funds and Special Deposits (B-IV)	172,827 75	Trust Liabilities (B-IV)	172,827 75
Sinking Funds (B-V)	5,091,315 82	Bonded Debt (B-V)	12,264,050 00
Total Available Assets	\$6,592,789 69	Total Liabilities	\$12,502,941 64
Fixed Assets (Unavailable B-VI)	16,800,153 10	General Deficit and Surplus Account (B-VIII)	10,890,001 15
Grand Total of Assets	\$23,392,942 79	Grand Total of Liabilities	\$23,392,942 79

SCHEDULE B-II

CURRENT ASSETS

CASH:

Cash in the Treasury March 31, 1915	\$61,889 66
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GOOD ACCOUNTS RECEIVABLE:

Delinquent Property Taxes	\$614,832 99
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Other good accounts:

Moth Assessments	539 43
Sewer Assessments	5,862 98
Sidewalk Assessments	2,997 53
Street Watering Assessments	5,858 87
Water Department Rates, etc.	8,552 01
Miscellaneous Bills	4,970 71

Total Good Accounts Receivable	643,614 52
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Total Current Assets	\$705,504 18
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CURRENT LIABILITIES

(Floating Debts)

1. OUTSTANDING ACCOUNTS DUE AND UNPAID:

Of the current year	\$22,174 28
Of previous years	
Tax sale surplus	461 07

2. OUTSTANDING ACCOUNTS NOT DUE:

Other Accounts, Miscellaneous Bills	21,714 27
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Total Current Liabilities	44,349 62
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Surplus of Current Assets (B-VII)	\$661,154 56
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SCHEDULE B-III

CONTINGENT ASSETS

DOUBTFUL ACCOUNTS RECEIVABLE:

Delinquent Personal Property and Poll Taxes, viz.:

1914	\$428,831 71	
1913	85,947 06	
1912	21,837 76	
1911	24,410 94	
1910	26,532 22	
1909	27,273 30	
		<hr/>
		\$614,832 99
Liens		6,276 27
Other doubtful accounts, viz.:		
Miscellaneous Bills		2,032 68
		<hr/>
Total Contingent Accounts		\$623,141 94

CONTINGENT LIABILITIES

RETENTION FUND ACCOUNT:

Percentage of Contractors' Payments Retained, viz.:

John B. Byrne Co. (Haggerty School)	\$5,132 50	
E. L. Grimes & Co. (City Documents)	1,754 02	
Higgins & Co. (Haggerty School)	165 00	
Herly Bros. (Haggerty School)	1,577 25	
Geo. T. O'Brien (City Home)	608 25	
Coal Pocket, Scales and Trestle Pumping Station	12,477 25	
		<hr/>
		21,714 27
		<hr/>
Surplus of Contingent Assets (B-VII)		\$601,427 67

SCHEDULE B-IV

TRUST FUND ASSETS

CASH IN TRUST FUNDS:

Special Deposits, etc., viz.:

Cemetery Fund	\$499 19
Bridge Charitable Fund	2,614 99
Dowse Institute Fund	492 05
Daniel White Charity Fund	617 29
Sarah E. Russell Fund	814 41
William E. Saunders Fund	180 78
Citizens' Subscription Fund	294 76
Cummings Legacy	178 35
Fay Legacy	67 03
James A. Woolson Fund	233 03
Edward H. Whorf Fund	162 81
William Penn Harding Fund	1,060 96
The Hopkins Fund	1,829 08
John Wesley Freese Fund	89 36
Mehitable C. C. Wilson Fund	567 91

Total Cash in Trust Funds	\$9,702 00
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INVESTMENT OF TRUST FUNDS:

Stock and Bonds in Various Funds, viz.:

Cemetery Fund	\$108,150 00
Cummings Legacy	2,000 00
Fay Legacy	1,000 00
Cemetery Fund, Deeds in Trust	392 00
Citizens' Subscription Fund	5,500 00
Dowse Institute Fund	10,000 00
Daniel White Charity Fund	10,360 00
Sanders Temperance Fund	10,000 00
The Hopkins Fund	
William E. Saunders Fund	7,723 75
James A. Woolson Fund	5,000 00
Edward H. Whorf Fund	3,000 00

	163,125 75
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Total Assets in Trust Funds	\$172,827 75
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LIABILITIES

Trust Funds and Special Funds, viz.:

Cemetery Fund Account	108,649 19
Bridge Charitable Fund	2,614 99
Dowse Institute Fund	10,492 05
Daniel White Charity Fund	10,977 29
Sarah E. Russell Fund	814 41
William E. Saunders Fund	7,904 53
Citizens' Subscription Fund	5,794 76
Cummings Legacy	2,178 35
Fay Legacy	1,067 03
James A. Woolson Fund	5,233 03
Edward H. Whorf Fund	3,162 81
William Penn Harding Fund	1,060 96

Amount carried forward	159,949 40
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Schedule B-IV Trust Fund Assets — Concluded

<i>Amount brought forward</i>	\$159,949 40	
The Hopkins Fund	1,829 08	
Cemetery Fund, Deeds in Trust	392 00	
Sanders Temperance Fund	10,000 00	
Mehitable C. C. Wilson Fund	567 91	
John Wesley Freese Fund	89 36	
	<hr/>	
Total Liabilities		\$172,827 75
		<hr/> <hr/>

SCHEDULE B-V

BONDED DEBTS OF THE CITY

1. GENERAL BONDS:

a. For General Municipal Purposes:

Funded City Debt	\$2,341,950 00
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b. For Municipal Enterprises:

Water Works	2,922,100 00
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2. SPECIAL ASSESSMENT BONDS:

Total of Bonded Debts	\$12,264,050 00
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SINKING FUND ASSETS

INVESTMENT OF SINKING FUNDS:

Bonds and Other Securities, viz.:

(Per list in report of Sinking Funds Commissioners)...	5,091,315 82
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Excess of Debts (Net City and Water Debt) (See B-VII)	7,172,734 18
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	\$12,264,050 00
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SCHEDULE B-VI

FIXED ASSETS

LAND, BUILDINGS AND EQUIPMENT:

Law Department, Equipment		\$377 00
City Buildings:		
Land	\$135,700 00	
Buildings	335,300 00	
Equipment	46,558 00	
		517,558 00
Police Department, Equipment		7,853 00
Fire Department:		
Land	49,600 00	
Buildings	203,500 00	
Equipment	110,791 00	
		363,891 00
Fire and Police Telegraph, Equipment		45,865 00
Health Department:		
Land	\$14,600 00	
Buildings	15,900 00	
Equipment	5,916 25	
		36,416 25
Inspection of Milk and Vinegar, Equipment		1,394 86
Cemeteries:		
Land	\$92,000 00	
Buildings	6,000 00	
Equipment	3,500 00	
		101,500 00
Sealer of Weights and Measures, Equipment		2,856 84
City Home:		
Land	\$47,150 00	
Buildings	28,200 00	
Equipment	9,400 00	
		84,750 00
Overseers of Poor—Office Equipment		1,050 00
Street Department (Stables, etc.):		
Land	125,300 00	
Buildings	70,500 00	
Equipment	99,767 00	
		295,567 00
Engineering Department, Equipment		133,648 00
Sewer Department (Stables, etc.):		
Land	5,900 00	
Buildings	5,600 00	
Equipment	4,273 75	
		15,773 75
Street Lighting Equipment		3,755 00
Bridge Department, Equipment		2,330 00
Water Works (See Report Water Department)		6,674,392 83
Schools:		
Land	\$371,900 00	
Buildings	1,917,000 00	
Equipment	193,783 53	
		2,482,683 53
Amount carried forward		\$10,771,662 06

Schedule B-VI— Concluded

<i>Amount brought forward</i>		\$10,771,662 06
Library:		
Land	\$85,000 00	
Buildings	145,000 00	
Equipment	98,200 00	
		<u>328,200 00</u>
Parks:		
Land	\$5,354,241 68	
Buildings	122,100 00	
Equipment	3,600 00	
		<u>5,479,941 68</u>
Playgrounds		203,149 36
Other land not included in any of the Dept. Schedules		17,200 00
		<u>16,800,153 10</u>
Total Fixed Assets (See B-VII)		<u><u>\$16,800,153 10</u></u>

SCHEDULE B-VII

GENERAL DEFICIT AND SURPLUS ACCOUNT

DEFICITS

a Deficit of Current Assets (B-II), if any	
a Deficit of Contingent Assets (B-III), if any	
a Deficit of Trust Fund Assets (B-IV), if any	
b Deficit of Sinking Funds Assets (B-V), viz.:	
Net Bonded Debt	\$7,172,734 18
Total of all Deficits	\$7,172,734 18

SURPLUS

b Surplus of Current Assets (B-II), if any	\$661,154 56
a Surplus of Contingent Assets (B-III), if any	601,427 67
a Surplus of Trust Funds (B-IV), if any	
a Surplus of Sinking Funds (B-V), if any	
Total Surplus, excluding Fixed Assets	1,262,582 23
Excess of Deficits, viz.:	
Total Net Debts of the City	\$5,910,151 95

BALANCE

Total of Fixed Assets:

Land, Buildings Equipments (B-VI)	\$16,800,153 10
Deduct Total Net Debts of the City, as above	5,910,151 95
Balance of this Account, General Surplus (B-I)	\$10,890,001 15

a Balance of Schedule (B-II) will appear under one or the other of these heads.

b Balance of other schedules (B-III), etc., will appear in like manner.

c Fixed Assets are set up by themselves under "Balance." (See above)

SCHEDULE B

No. VIII

CITY FUNDED DEBT; CITY SERIAL DEBT AND OTHER MISCELLANEOUS TABLES

CITY FUNDED DEBT

There have been additions to the City Funded Debt during the year as follows:

Sewer Loan, serial coupon bonds, payable in one to thirty years, at an annual interest of four per cent. For the purpose of constructing sewers (separate system) as authorized by Chapter 383, Acts of 1903	\$30,000 00
Park Loan, serial coupon bonds, payable in one to thirty years, at an annual interest of four per cent. For the purpose of constructing boulevards and roadways adjacent to and connecting the parks of the city of Cambridge, as authorized by Chapter 578, Acts of 1912	30,000 00
Municipal Hospital Loan, serial coupon bonds, payable in one to twenty years at an annual interest of four per cent. For the purpose of acquiring land and erecting a building for hospital purposes, as authorized by Chapter 545, Acts of 1911	60,000 00
Sewer Loans, serial coupon bonds, payable in one to thirty years, at an annual interest of four per cent. For the purpose of constructing sewers for sanitary purposes and sewage disposal, as authorized by Section 5, (1), Chapter 719, Acts of 1913	15,000 00
Schoolhouse Loan, serial coupon bonds, payable in one to twenty years, as an annual interest of four per cent. For the purpose of acquiring additional land and construction of new Aggasiz Schoolhouse, as authorized by Section 5 (3), Chapter 719, Acts of 1913	65,000 00
Walden Street Bridge Loan, serial coupon bonds, payable in one to twenty years, at an annual interest of four per cent. For the purpose of constructing Walden Street Bridge of concrete and iron superstructure as authorized by Section 5, (5), Chapter 719, Acts of 1913	8,000 00
Street Loan, serial coupon bonds, payable in one to five years, at an annual interest of four per cent. For the purpose of constructing with Macadam pavement the following streets, Winter, Bent, Vine, Cushing and Lexington Avenue, as authorized by Section 5, (8), Chapter 719 of 1913	17,500 00
Street Loan, serial coupon bonds, payable in one to five years, at an annual interest of four and one-half per cent. For the purpose of constructing Macadam pavement on Monroe Street, as authorized by Section 5, (8), Chapter 719, Acts of 1913	2,500 00
Street Loan, serial coupon bonds, payable in one to ten years, at an annual interest of four and one-half per cent. For the purpose of constructing permanent pavement in Inman Square, as authorized by Section 5, (7), Chapter 719, Acts of 1913	8,000 00
Amounts carried forward	236,000 00

City Funded Debt—Continued

Amount brought forward \$236,000 00

Street Loan, serial coupon bonds, payable in one to ten years,
at an annual interest of four per cent.

For the purpose of constructing permanent pavement on the
following streets:

Massachusetts Avenue, (Porter Station to Arlington Line)	\$95,000 00	
Binney Street, Sixth Street, State Street, and Western Avenue	48,000 00	
Cambridge Street	50,000 00	
Ninth Street	10,000 00	
Francis Avenue	5,000 00	
Bridges on Huron Avenue	4,000 00	
		212,000 00
		<u>\$448,000 00</u>

The following matured bonds have been paid, Clay
Land Loan, registered bonds, issued July 1,
1899, at an annual interest of three and one-
half per cent

\$17,000 00

Building Loan, registered and coupon bonds, is-
sued Aug. 1, 1894, at an annual interest of
four per cent

37,000 00

Schoolhouse Loan, registered and coupon bonds,
issued Aug. 1, 1894, at an annual interest of
four per cent

81,000 00

Street Loan, coupon bonds, issued Aug. 1, 1894,
at an annual interest of four per cent.....

30,000 00

165,000 00

\$283,000 00

Serial bonds have matured and been paid 31,550 00

New increase in debt, 1914-1915 \$251,450 00

The following is a statement of the total funded debt of the City, with
the rates of interest thereon:—

HARVARD BRIDGE LOAN

	Rate of Interest.	When Due.	Amount.	Total.
Oct. 1, 1887 R.....	4 p. ct.—30 yrs.	Oct. 1, 1917....	\$10,000 00	
July 1, 1888 C.....	4 " —30 "	July 1, 1918....	100,000 00	
Sept. 1, 1888 C.....	4 " —30 "	Sept. 1 1918....	100,000 00	
Mar. 1, 1889 C.....	4 " —30 "	Mar. 1, 1919....	115,000 00	
Nov. 1, 1890 R.....	4 " —30 "	Nov. 1, 1920....	5,000 00	
July 1, 1891 R. & C.	4 " —30 "	July 1, 1921....	60,000 00	
Aug. 1, 1893 C.....	4 " —30 "	Aug. 1, 1923....	10,000 00	\$400,000 00

Amount carried forward \$400,000 00

City Funded Debt—Continued

Amount brought forward \$400,000 00

CAMBRIDGE BRIDGE LOAN

July 1, 1899 R.....	3 1-2	p. ct.—40 yrs.	July 1, 1939.....	\$10,000 00	
July 2, 1900 R.....	3 1-2	" —40 "	July 2, 1940.....	100,000 00	
Feb. 1, 1901 R.	3	" —40 "	Feb. 1, 1941.....	100,000 00	
Nov. 1, 1901 R.....	3 1-2	" —40 "	Nov. 1, 1941.....	100,000 00	
July 1, 1902 R. & C.	3 1-2	" —40 "	July 1, 1942.....	100,000 00	
Jan. 1, 1903 R.....	3 1-2	" —40 "	Jan. 1, 1943.....	50,000 00	
Apr. 1, 1903 R.....	3 1-2	" —40 "	Apr. 1, 1943.....	50,000 00	
Aug. 1, 1903 C.....	3 1-2	" —40 "	Aug. 1, 1943.....	50,000 00	
Jan. 1, 1904 R.....	3 1-2	" —40 "	Jan. 1, 1944.....	100,000 00	
May 1, 1904 R. & C.	3 1-2	" —40 "	May 1, 1944.....	100,000 00	
Aug. 1, 1904 R.....	3 1-2	" —40 "	Aug. 1, 1944.....	200,000 00	
Sept. 1, 1904 R.....	3 1-2	" —40 "	Sept. 1, 1944.....	50,000 00	
May 1, 1905 R.....	3 1-2	" —40 "	May 1, 1945.....	100,000 00	
Dec. 1, 1905 R.....	3 1-2	" —40 "	Dec. 1, 1945.....	150,000 00	
Aug. 1, 1906 R.....	4	" —40 "	Aug. 1, 1946.....	150,000 00	
Jan. 1, 1907 R.....	4	" —40 "	Jan. 1, 1947.....	50,000 00	
July 1, 1907 C.....	4	" —40 "	July 1, 1947.....	40,000 00	
Oct. 1, 1907 C.....	4	" —40 "	Oct. 1, 1947.....	15,000 00	
Aug. 1, 1908 R.....	4	" —40 "	Aug. 1, 1848.....	45,000 00	
July 1, 1910 R.....	4	" —40 "	July 1, 1950.....	20,000 00	
Dec. 1, 1911 C.....	3 1-2	" —40 "	Dec. 1, 1951.....	10,000 00	
Mar. 1, 1912 C....	3 1-2	" —40 "	Mar. 1, 1952.....	10,000 00	\$1,640,000 00

BROOKLINE BRIDGE LOAN

Jan. 1, 1906	3 1-2	p. ct.—40 yrs.	Jan. 1, 1946.....	\$20,000 00	
Sept. 1, 1906	4	" —40 "	Sept. 1, 1946.....	5,000 00	\$25,000 00

COMMERCIAL AVENUE BRIDGE

Aug. 1, 1906	4	p. ct.—40 yrs.	Aug. 1, 1946.....		50,000 00
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BUILDING LOAN

Oct. 1, 1895 R.....	4	p. ct.—20 yrs.	Oct. 1, 1915.....	\$25,000 00	
Oct. 1, 1896 R.....	4	" —20 "	Oct. 1, 1916.....	60,000 00	
Apr. 1, 1903 R.....	3 1-2	" —20 "	Apr. 1, 1923.....	3,000 00	
Apr. 1, 1904 C.....	3 1-2	" —20 "	Apr. 1, 1924.....	25,000 00	
May 1, 1904 R.....	3 1-2	" —20 "	May 1, 1924.....	5,000 00	
Sept. 1, 1907 R.....	4	" —20 "	Sept. 1, 1927.....	3,000 00	\$148,000 00

CAMBRIDGE BRIDGE SPECIAL LOAN
(Charles River Dam)

May 1, 1910 R.....	3 1-2	p. ct.—30 yrs.	May 1, 1934.....		\$28,000 00
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Amount carrried forward \$2,291,000 00

City Funded Debt—Continued

Amount brought forward \$2,291,000 00

CITY LOAN

July 1, 1910 R...	4	p. ct.—10 yrs.	July 1, 1920....	\$8,000 00	\$8,000 00
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CITY OF CAMBRIDGE, ACTS OF 1908—LOAN

May 1, 1908 R. & C.	4	p. ct.—10 yrs.	May 1, 1918....		\$400,000 00
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HOSPITAL LOAN

Aug. 1, 1902 R.....	3 1-2	p. ct.—20 yrs.	July 1, 1922....	\$6,000 00	
July 1, 1902 R.....	4	" —20 "	Aug. 1, 1928....	20,000 00	
July 1, 1910 C.....	4	" —20 "	July 1, 1930....	95,000 00	
Dec. 1, 1911 R.....	3 1-2	" —20 "	Dec. 1, 1931....	4,000 00	
Mar. 1, 1912 C.....	3 1-2	" —20 "	Mar. 1, 1932....	25,000 00	\$150,000 00

METROPOLITAN PARK ASSESSMENT LOAN

Aug. 1, 1902 R.....	3 1-2	p. ct.—30 yrs.	Aug. 1, 1932....		\$46,000 00
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PARK LOAN

Feb. 1, 1894 R. & C.	4	p. ct.—30 yrs.	Feb. 1, 1924....	\$360,000 00	
Aug. 1, 1895 R.....	4	" —40 "	Aug. 1, 1935....	100,000 00	
Feb. 1, 1896 R.....	4	" —40 "	Feb. 1, 1936....	100,000 00	
Aug. 1, 1896 R.....	4	" —40 "	Aug. 1, 1926....	100,000 00	
Oct. 1, 1896 R.....	4	" —40 "	Oct. 1, 1926....	40,000 00	
Sept. 1, 1897 R.....	3 1-2	" —40 "	Sept. 1, 1937....	100,000 00	
Nov. 1, 1897 R.....	3 1-2	" —40 "	Nov. 1, 1937....	50,000 00	
June 1, 1898 R.....	3 1-2	" —40 "	June 1, 1938....	50,000 00	
Aug. 1, 1898 R.....	3 1-2	" —40 "	Aug. 1, 1938....	100,000 00	
Aug. 1, 1899 R.....	3 1-2	" —40 "	Aug. 1, 1939....	100,000 00	
July 2, 1900 R.....	3 1-2	" —40 "	July 2, 1940....	50,000 00	
Nov. 1, 1900 R.....	3 1-2	" —40 "	Nov. 1, 1940....	50,000 00	
Nov. 1, 1901 R.....	3 1-2	" —40 "	Nov. 1, 1941....	100,000 00	
July 1, 1902 R.....	3 1-2	" —40 "	July 1, 1942....	48,000 00	
Apr. 1, 1903 R.....	3 1-2	" —40 "	Apr. 1, 1943....	50,000 00	
Sept. 1, 1904 R.....	3 1-2	" —40 "	Sept. 1, 1944....	25,000 00	
Nov. 1, 1904 R.....	3 1-2	" —40 "	Nov. 1, 1944....	6,000 00	
Apr. 1, 1905 R.....	3 1-2	" —40 "	Apr. 1, 1945....	5,000 00	
May 1, 1905 R.....	3 1-2	" —40 "	Apr. 1, 1945....	45,000 00	
Aug. 1, 1905 R.....	3 1-2	" —40 "	Aug. 1, 1945....	5,000 00	
Sept. 1, 1906 R.....	4	" —40 "	Sept. 1, 1946....	25,000 00	
Oct. 1, 1907 R.....	4	" —40 "	Oct. 1, 1947....	10,000 00	
Aug. 1, 1908 R.....	4	" —40 "	Aug. 1, 1948....	30,000 00	
Nov. 1, 1908 R.....	4	" —40 "	Nov. 1, 1948....	12,000 00	
Jan. 1, 1910 R.....	3 1-2	" —40 "	Jan. 1, 1950....	8,800 00	
Mar. 1, 1911 R.....	3 1-2	" —40 "	Mar. 1, 1951....	17,000 00	
July 1, 1911 R.....	3 1-2	" —40 "	July 1, 1951....	7,000 00	
Dec. 1, 1911 R. & C.	3 1-2	" —40 "	Dec. 1, 1951....	6,200 00	\$1,600,000 00

Amount carried forward \$4,495,000 00

City Funded Debt—Continued

Amount brought forward \$4,495,000 00

PUBLIC LIBRARY LOAN

Nov. 1, 1901 R.....	3 1-2 p. ct.—20 yrs.	Nov. 1, 1921....		\$27,000 00
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SCHOOLHOUSE LOAN

Oct. 1, 1895 R.....	4 p. ct.—20 yrs.	Oct. 1, 1915....	\$35,000 00	
July 1, 1896 R.....	4 " —20 "	July 1, 1916....	10,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916....	33,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916....	6,000 00	
July 1, 1897 R.....	3 1-2 " —20 "	July 1, 1917....	100,000 00	
May 2, 1898 R.....	3 1-2 " —20 "	May 2, 1918....	100,000 00	
June 1, 1898 R.....	3 1-2 " —20 "	June 1, 1918....	50,000 00	
Aug. 1, 1898 R.....	3 1-2 " —20 "	Aug. 1, 1918....	142,000 00	
July 1, 1899 R.....	3 1-2 " —20 "	July 1, 1919....	42,000 00	
Nov. 1, 1899 R.....	3 1-2 " —20 "	Nov. 1, 1919....	13,000 00	
July 1, 1901 R.....	3 1-2 " —20 "	July 1, 1921....	76,000 00	
July 1, 1902 R.....	3 1-2 " —20 "	July 1, 1922....	86,500 00	
Oct. 1, 1902 R.....	3 1-2 " —20 "	Oct. 1, 1922....	11,000 00	
Oct. 1, 1903 R.....	3 1-2 " —20 "	Oct. 1, 1923....	80,000 00	
Apr. 1, 1904 C.....	3 1-2 " —20 "	Apr. 1, 1924....	80,000 00	
Nov. 1, 1904 R.....	3 1-2 " —20 "	Nov. 1, 1924....	20,000 00	
Nov. 1, 1904 R.....	3 1-2 " —20 "	Nov. 1, 1924....	6,000 00	
May 1, 1905 R.....	3 1-2 " —20 "	May 1, 1925....	20,950 00	
Aug. 1, 1905 R.....	3 1-2 " —20 "	Aug. 1, 1925....	20,000 00	
Aug. 1, 1906 R.....	4 " —20 "	Aug. 1, 1926....	33,000 00	
Nov. 1, 1906 R.....	4 " —20 "	Nov. 1, 1926....	14,000 00	
Dec. 1, 1908 R.....	3 1-2 " —20 "	Dec. 1, 1928....	40,000 00	
Jan. 1, 1910 R. & C.	3 1-2 " —20 "	Jan. 1, 1930....	93,500 00	
July 1, 1910 R.....	4 " —20 "	July 1, 1930....	120,000 00	
Mar. 1, 1911 R.....	3 1-2 " —20 "	Mar. 1, 1931....	5,000 00	
Mar. 1, 1912 C.....	3 1-2 " —20 "	Mar. 1, 1932....	2,500 00	
Feb. 1, 1913 C.....	3 1-2 " —20 "	Feb. 1, 1933....	5,000 00	\$1,244,450 00

SEWER LOAN (Construction General.)

Aug. 1, 1894 R. & C.	4 p. ct.—30 yrs.	Aug. 1, 1924....	\$75,000 00	
Oct. 1, 1895 R.....	4 " —30 "	Oct. 1, 1925....	60,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916....	75,000 00	
Aug. 1, 1901 R.....	3 1-2 " —30 "	Aug. 1, 1931....	10,000 00	
Oct. 1, 1903 R.....	3 1-2 " —30 "	Oct. 1, 1933....	20,000 00	
May 1, 1904 R.....	3 1-2 " —30 "	May 1, 1934....	40,000 00	
Nov. 1, 1904 R.....	3 1-2 " —30 "	Nov. 1, 1934....	5,000 00	
May 1, 1905 R.....	3 1-2 " —30 "	May 1, 1935....	15,000 00	
May 1, 1906 R.....	4 " —30 "	May 1, 1936....	10,000 00	
Apr. 1, 1907 R.....	4 " —30 "	Apr. 1, 1937....	35,000 00	
Dec. 1, 1908 R.....	4 " —30 "	Dec. 1, 1938....	5,000 00	
Jan. 1, 1910 R. & C.	3 1-2 " —30 "	Jan. 1, 1940....	23,000 00	
July 1, 1910 R.....	4 " —30 "	July 1, 1940....	15,000 00	
Mar. 1, 1911 R.....	3 1-2 " —30 "	Mar. 1, 1941....	10,000 00	
July 1, 1911 R.....	3 1-2 " —30 "	July 1, 1941....	10,000 00	
Feb. 1, 1913 C.....	3 1-2 " —30 "	Feb. 1, 1943....	10,000 00	
July 1, 1913 C.....	4 " —30 "	July 1, 1943....	20,000 00	
July 1, 1913 C.....	4 " —30 "	July 1, 1943....	5,000 00	\$443,000 00

SEWER LOAN. (Improved Sewerage)

Nov. 1, 1899 R.....	3 1-2 p. ct.—30 yrs.	Nov. 1, 1929....	\$42,000 00	
July 2, 1900 R.....	3 1-2 " —30 "	July 2, 1930....	100,000 00	
Aug. 1, 1901 R.....	3 1-2 " —30 "	Aug. 1, 1931....	100,000 00	
Nov. 1, 1902 R.....	3 1-2 " —30 "	Nov. 1, 1932....	20,000 00	
Apr. 1, 1903 R.....	3 1-2 " —30 "	Apr. 1, 1933....	40,000 00	
May 1, 1904 R.....	3 1-2 " —30 "	May 1, 1934....	47,000 00	
May 1, 1905 R.....	3 1-2 " —30 "	May 1, 1935....	50,000 00	\$399,000 00

Amount carried forward \$6,608,450 00

City Funded Debt—Continued

Amount brought forward..... \$6,608,450 00

SEWER LOAN. (Separate System of Drainage)

May 1, 1904 R.....	3 1-2	p. ct.—30	yrs.	May 1, 1934....	\$25,000 00	
May 1, 1905 R.....	3 1-2	" —30	"	May 1, 1935....	25,000 00	
May 1, 1906 R.....	4	" —30	"	May 1, 1936....	25,000 00	
Sept. 1, 1906 R.....	4	" —30	"	Sept. 1, 1936....	25,000 00	
Apr. 1, 1907 R.....	4	" —30	"	Apr. 1, 1937....	25,000 00	
Nov. 1, 1907 R.....	4	" —30	"	Nov. 1, 1937....	10,000 00	
Aug. 1, 1908 R.....	4	" —30	"	Aug. 1, 1938....	25,000 00	
Dec. 1, 1908 R.....	4	" —30	"	Dec. 1, 1938....	12,000 00	
July 1, 1909 R.....	3 1-2	" —30	"	July 1, 1939....	2,000 00	
Jan. 1, 1910 C.....	3 1-2	" —30	"	Jan. 1, 1940....	23,000 00	
July 1, 1910 R.....	4	" —30	"	July 1, 1940....	25,000 00	
July 1, 1911 R.....	3 1-2	" —30	"	Mar. 1, 1941....	10,000 00	
Dec. 1, 1911 C.....	3 1-2	" —30	"	Dec. 1, 1941....	10,000 00	
Sept. 1, 1912 C.....	3 1-2	" —30	"	Sept. 1, 1942....	15,000 00	
Feb. 1, 1913 C.....	3 1-2	" —30	"	Feb. 1, 1943....	10,000 00	\$267,000 00

STREET LOAN

Oct. 1, 1895 R.....	4	p. ct.—20	yrs.	Oct. 1, 1915....	\$60,000 00	
Oct. 1, 1896 R.....	4	" —20	"	Oct. 1, 1916....	137,000 00	
May 2, 1898 R.....	3 1-2	" —20	"	May 2, 1918....	15,000 00	
Nov. 1, 1899 R.....	3 1-2	" —20	"	Nov. 1, 1919....	5,000 00	
Nov. 1, 1900 R.....	3 1-2	" —20	"	Nov. 1, 1920....	21,000 00	
July 1, 1901 R.....	3 1-2	" —20	"	July 1, 1921....	54,000 00	
July 1, 1902 R.....	3 1-2	" —20	"	July 1, 1922....	30,000 00	
Nov. 1, 1902 R.....	3 1-2	" —20	"	Nov. 1, 1922....	14,000 00	
Apr. 1, 1903 R.....	3 1-2	" —20	"	Apr. 1, 1923....	4,000 00	
Nov. 2, 1903 R.....	3 1-2	" —20	"	Nov. 2, 1923....	12,000 00	
Sept. 1, 1904 R.....	3 1-2	" —20	"	Sept. 1, 1924....	59,000 00	
Nov. 1, 1904 R.....	3 1-2	" —20	"	Nov. 1, 1924....	6,500 00	
May 1, 1905 R.....	3 1-2	" —20	"	May 1, 1925....	84,000 00	
Nov. 1, 1905 R.....	3 1-2	" —20	"	Nov. 1, 1925....	1,500 00	
May 1, 1906 R. & C.	4	" —20	"	May 1, 1926....	100,000 00	
Aug. 1, 1906 R.....	4	" —20	"	Aug. 1, 1926....	22,000 00	
Apr. 1, 1907 R.....	4	" —20	"	Apr. 1, 1927....	40,000 00	
June 1, 1907 R.....	4	" —20	"	June 1, 1927....	19,000 00	
Sept. 1, 1907 R.....	4	" —20	"	Sept. 1, 1927....	25,000 00	
Nov. 1, 1907 R.....	4	" —20	"	Nov. 1, 1927....	10,000 00	
Jan. 1, 1908 C.....	4	" —20	"	Jan. 1, 1928....	34,000 00	
Jan. 1, 1908 C.....	4	" —10	"	Jan. 1, 1918....	10,000 00	
June 1, 1908 R.....	4	" —10	"	June 1, 1918....	30,000 00	
Aug. 1, 1908 R.....	4	" —10	"	Aug. 1, 1918....	7,000 00	
Aug. 1, 1908 R.....	4	" —20	"	Aug. 1, 1928....	42,000 00	
Mar. 1, 1909 R.....	3 1-2	" —20	"	Mar. 1, 1929....	20,000 00	
Jan. 1, 1910 R.....	3 1-2	" —10	"	Jan. 1, 1920....	75,000 00	
Jan. 1, 1910 R. & C.	3 1-2	" —20	"	Jan. 1, 1930....	13,500 00	
July 1, 1910 R.....	4	" —20	"	July 1, 1930....	12,000 00	
Mar. 1, 1911 R.....	3 1-2	" —20	"	Mar. 1, 1931....	42,000 00	
Mar. 1, 1911 R.....	3 1-2	" —10	"	Mar. 1, 1921....	60,800 00	
July 1, 1911 R.....	3 1-2	" —20	"	July 1, 1931....	53,000 00	
July 1, 1911 C.....	3 1-2	" —10	"	July 1, 1921....	55,000 00	
Dec. 1, 1911 C.....	4	" —10	"	Dec. 1, 1921....	17,000 00	
Mar. 1, 1912 C.....	3 1-2	" —10	"	Mar. 1, 1922....	15,500 00	
Sept. 1, 1912 C.....	4	" —10	"	Sept. 1, 1922....	118,000 00	
Sept. 1, 1912 C.....	3 1-2	" —10	"	Sept. 1, 1922....	7,000 00	
Sept. 1, 1912 C.....	3 1-2	" —20	"	Sept. 1, 1932....	6,200 00	
Feb. 1, 1913 C.....	4	" —10	"	Feb. 1, 1923....	13,000 00	
Feb. 1, 1913 C.....	3 1-2	" —20	"	Feb. 1, 1933....	6,250 00	
July 1, 1913 C.....	4	" —10	"	July 1, 1923....	20,000 00	
July 1, 1913 C.....	4	" —20	"	July 1, 1923....	37,800 00	
Aug. 1, 1913 C.....	4	" —20	"	July 1, 1933....	4,000 00	
Aug. 1, 1913 C.....	4	" —20	"	Aug. 1, 1933....	3,700 00	
Aug. 1, 1913 C.....	4	" —20	"	Aug. 1, 1933....	14,300 00	\$1,436,050 00

Amount carried forward..... \$8,311,500 00

City Funded Debt—Continued

Amount brought forward \$8,311,500 00

PLAYGROUND LOAN

July 1, 1910 R.....	4	p. ct.—30 yrs.	July 1, 1940....	\$50,000 00	
July 1, 1911 R.....	4	" —30 "	July 1, 1941....	15,000 00	
Dec. 1, 1911 R.....	4	" —30 "	Dec. 1, 1941....	30,000 00	\$95,000 00

PLAYGROUND CONSTRUCTION LOAN

July 1, 1911 R.....	3 1-2	p. ct.—10 yrs.	July 1, 1921....	\$25,000 00	
Sept. 1, 1912 C.....	4	" —10 "	Sept. 1, 1922....	35,000 00	\$60,000 00

CHARLES RIVER BASIN ASSESSMENT LOAN

Dec. 1, 1911 C.....	4	p. ct.—10 yrs.	Dec. 1, 1921....		\$60,000 00
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CEMETERY LOAN

July 1, 1911 R.....	3 1-2	p. ct.—10 yrs.	July 1, 1921....		\$8,000 00
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MUNICIPAL LOAN

Feb. 1, 1913 C.....	4	p. ct.—10 yrs.	Feb. 1, 1923....	\$29,800 00	
July 1, 1914 C.....	4	" —10 "	July 1, 1924....	25,000 00	\$64,800 00

Total Funded Debt \$8,599,300 00

SERIAL LOANS

Date of Issue	Amount each year	Years in which Laws are Due	Loans for		Amount Outstanding
Sept. 1, 1912	\$2,000 00	1915 to 1933	Park	3 1-2 p. ct.	\$36,000 00
Sept. 1, 1912	1,000 00	1933 to 1942	Park	3 1-2 "	10,000 00
July 1, 1913	1,000 00	1915 to 1923	Street	4 1-2 "	7,200 00
July 1, 1913	2,000 00	1915 to 1922	Street	4 1-2 "	38,000 00
July 1, 1913	5 000 00	1923	Street	4 1-2 "	40,000 00
July 1, 1913	3,700 00	1915 to 1923	Street	4 1-2 "	3,700 00
July 1, 1913	1,500 00	1915 to 1923	Street	4 1-2 "	13,500 00
July 1, 1913	5,500 00	1915 to 1933	Building	4 1-2 "	49,500 00
July 1, 1913	3,250 00	1915	School	4 1-2 "	61,750 00
Dec. 1, 1913	1,500 00	1916 to 1923	Municipal	4 "	1,500 00
Dec. 1, 1913	1,000 00	1916 to 1919	Municipal	4 "	20,000 00
Mar. 1, 1914	5,000 00	1916 to 1926	School Teachers	4 "	5,500 00
Mar. 1, 1914	500 00	1915 to 1919	Sewer	4 "	2,500 00
July 1, 1914	500 00	1915 to 1919	Street	4 "	15,000 00
July 1, 1914	3,000 00	1915 to 1924	Street	4 "	35,000 00
July 1, 1914	3,500 00	1915 to 1924	Street	4 "	48,000 00
July 1, 1914	4,800 00	1915 to 1934	Street	4 "	3,500 00
July 1, 1914	500 00	1915 to 1944	Street	4 "	8,000 00
July 1, 1914	400 00	1915 to 1944	Sewer	4 "	30,000 00
July 1, 1914	1,000 00	1915 to 1924	Park	4 "	30,000 00
July 1, 1914	1,000 00	1915 to 1924	Street	4 "	60,000 00
Aug. 1, 1914	6,000 00	1915 to 1924	Street	4 "	10,000 00
Aug. 1, 1914	1,000 00	1915 to 1924	Street	4 "	50,000 00
Aug. 1, 1914	800 00	1915 to 1924	Street	4 1-2 "	8,000 00
Sept. 1, 1914	500 00	1915 to 1919	Street	4 1-2 "	2,500 00
Sept. 1, 1914	3,000 00	1915 to 1934	City Hospital	4 "	60,000 00
Sept. 1, 1914	400 00	1915 to 1924	Street	4 "	4,000 00
Dec. 1, 1914	500 00	1915 to 1944	Sewer	4 "	15,000 00
Jan. 1, 1915	3,250 00	1916 to 1935	Schoolhouse	4 "	65,000 00

Total Funded and Serial City Debt \$9,341,950 00

City Funded Debt—Continued

Detail of the bonded city debt issued serially, matures as follows:

1915				
July	1	Street	4 1/2 %	\$800 00
July	1	Street	4 1/4 %	2,000 00
July	1	Street	4 1/2 %	5,000 00
July	1	Street	4 1/2 %	1,500 00
July	1	Street	4 %	500 00
July	1	Street	4 %	3,000 00
July	1	Street	4 %	3,500 00
July	1	Street	4 %	4,800 00
July	1	Street	4 %	400 00
July	1	Street	4 %	500 00
July	1	School	4 %	3,250 00
July	1	Building	4 1/2 %	5,500 00
July	1	Sewer	4 %	1,000 00
July	1	Park	4 %	1,000 00
Aug.	1	Street	4 %	6,000 00
Aug.	1	Street	4 %	1,000 00
Aug.	1	Street	4 %	5,000 00
Sept.	1	Park	3 1/2 %	2,000 00
Sept.	1	Street	4 1/2 %	800 00
Sept.	1	Street	4 1/2 %	500 00
Sept.	1	Hospital	4 %	3,000 00
Dec.	1	Municipal	4 %	1,500 00
Dec.	1	Street	4 %	400 00
Dec.	1	Sewer	4 %	500 00
1916				
Jan.	1	School	4 %	3,250 00
Mar.	1	Teachers	4 %	5,000 00
Mar.	1	Sewer	4 %	500 00
July	1	Street	4 1/2 %	800 00
July	1	Street	4 1/2 %	2,000 00
July	1	Street	4 1/2 %	5,000 00
July	1	Street	4 1/2 %	1,500 00
July	1	Street	4 %	500 00
July	1	Street	4 %	3,000 00
July	1	Street	4 %	3,500 00
July	1	Street	4 %	4,800 00
July	1	Street	4 %	400 00
July	1	Street	4 %	500 00
July	1	School	4 %	3,250 00
July	1	Building	4 1/2 %	5,500 00
July	1	Sewer	4 %	1,000 00
July	1	Park	4 %	1,000 00
Aug.	1	Street	4 %	6,000 00
Aug.	1	Street	4 %	1,000 00
Aug.	1	Street	4 %	5,000 00
Sept.	1	Park	3 1/2 %	2,000 00
Sept.	1	Street	4 1/2 %	800 00
Sept.	1	Street	4 1/2 %	500 00
Sept.	1	Hospital	4 %	3,000 00
Dec.	1	Municipal	4 %	1,000 00
Dec.	1	Street	4 %	400 00
Dec.	1	Sewer	4 %	500 00

Amount carried forward..... \$115,150 00

City Funded Debt--Continued

Amount brought forward..... \$115,150 00

1917

Jan.	I	School	4	%	3,250 00
Mar.	I	Teachers	4	%	5,000 00
Mar.	I	Sewer	4	%	500 00
July	I	Street	4½	%	800 00
July	I	Street	4½	%	2,000 00
July	I	Street	4½	%	5,000 00
July	I	Street	4½	%	1,500 00
July	I	Street	4	%	500 00
July	I	Street	4	%	3,000 00
July	I	Street	4	%	3,500 00
July	I	Street	4	%	4,800 00
July	I	Street	4	%	400 00
July	I	Street	4	%	500 00
July	I	School	4	%	3,250 00
July	I	Building	4½	%	5,500 00
July	I	Sewer	4	%	1,000 00
July	I	Park	4	%	1,000 00
Aug.	I	Street	4	%	6,000 00
Aug.	I	Street	4	%	1,000 00
Aug.	I	Street	4	%	5,000 00
Sept.	I	Park	3½	%	2,000 00
Sept.	I	Street	4½	%	800 00
Sept.	I	Street	4½	%	500 00
Sept.	I	Hospital	4	%	3,000 00
Dec.	I	Municipal	4	%	1,000 00
Dec.	I	Street	4	%	400 00
July	I	Sewer	4	%	500 00

1918

Jan.	I	School	4	%	3,250 00
Mar.	I	Teachers	4	%	5,000 00
Mar.	I	Sewer	4	%	500 00
July	I	Street	4½	%	800 00
July	I	Street	4½	%	2,000 00
July	I	Street	4½	%	5,000 00
July	I	Street	4½	%	1,500 00
July	I	Street	4	%	500 00
July	I	Street	4	%	3,000 00
July	I	Street	4	%	3,500 00
July	I	Street	4	%	4,800 00
July	I	Street	4	%	400 00
July	I	Street	4	%	500 00
July	I	School	4	%	3,250 00
July	I	Building	4½	%	5,500 00
July	I	Sewer	4	%	1,000 00
July	I	Park	4	%	1,000 00
Aug.	I	Street	4	%	6,000 00
Aug.	I	Street	4	%	1,000 00
Aug.	I	Street	4	%	5,000 00
Sept.	I	Park	3½	%	2,000 00
Sept.	I	Street	4½	%	800 00

Amount carried forward..... \$233,150 00

City Funded Debt—Continued

Amount brought forward..... \$233,150 00

1918 Continued

Sept. I	Street	4½ %	500 00
Sept. I	Hospital	1 %	3,000 00
Dec. I	Municipal	1 %	1,000 00
Dec. I	Street	1 %	400 00
Dec. I	Sewer	1 %	500 00

1919

Jan. I	School	4 %	3,250 00
Mar. I	Teachers	4 %	5,000 00
Mar. I	Sewer	4 %	500 00
July I	Street	4½ %	800 00
July I	Street	4½ %	2,000 00
July I	Street	4½ %	5,000 00
July I	Street	4½ %	1,500 00
July I	Street	4 %	500 00
July I	Street	4 %	3,000 00
July I	Street	4 %	3,500 00
July I	Street	4 %	4,800 00
July I	Street	4 %	400 00
July I	Street	4 %	500 00
July I	School	4 %	3,250 00
July I	Building	4½ %	5,500 00
July I	Sewer	4 %	1,000 00
July I	Park	4 %	1,000 00
Aug. I	Street	4 %	6,000 00
Aug. I	Street	4 %	1,000 00
Aug. I	Street	4 %	5,000 00
Sept. I	Park	3½ %	2,000 00
Sept. I	Street	4½ %	800 00
Sept. I	Street	4½ %	500 00
Sept. I	Hospital	4 %	3,000 00
Dec. I	Street	4 %	400 00
Dec. I	Sewer	4 %	500 00
Dec. I	Municipal	4 %	1,000 00

1920

Jan. I	School	4 %	3,250 00
Mar. I	Sewer	4 %	500 00
July I	Street	4½ %	800 00
July I	Street	4½ %	2,000 00
July I	Street	4½ %	5,000 00
July I	Street	4½ %	1,500 00
July I	Street	4 %	3,500 00
July I	Street	4 %	4,800 00
July I	Street	4 %	400 00
July I	Street	4 %	500 00
July I	School	4 %	3,250 00
July I	Building	4½ %	5,500 00
July I	Sewer	4 %	1,000 00
July I	Park	4 %	1,000 00
Aug. I	Street	4 %	6,000 00
Aug. I	Street	4 %	1,000 00
Aug. I	Street	4 %	5,000 00

Amount carried forward..... \$345,450 00

City Funded Debt—Continued

Amount brought forward..... \$345,250 00

1920 Continued

Sept. I	Park	3½ %	2,000 00
Sept. I	Street	4½ %	800 00
Sept. I	Hospital	4 %	3,000 00
Dec. I	Municipal	4 %	1,000 00
Dec. I	Street	4 %	400 00
Dec. I	Sewer	4 %	500 00

1921

Jan. I	School	4 %	3,250 00
Mar. I	Sewer	4 %	500 00
July I	Street	4½ %	800 00
July I	Street	4½ %	2,000 00
July I	Street	4½ %	5,000 00
July I	Street	4½ %	1,500 00
July I	Street	4 %	3,500 00
July I	Street	4 %	4,800 00
July I	Street	4 %	400 00
July I	Street	4 %	500 00
July I	School	4 %	3,250 00
July I	Building	4½ %	5,500 00
July I	Sewer	4 %	1,000 00
July I	Park	4 %	1,000 00
Aug. I	Street	4 %	6,000 00
Aug. I	Street	4 %	1,000 00
Aug. I	Street	4 %	5,000 00
Sept. I	Park	3½ %	2,000 00
Sept. I	Street	4½ %	800 00
Sept. I	Hospital	4 %	3,000 00
Dec. I	Municipal	4 %	1,000 00
Dec. I	Street	4 %	400 00
Dec. I	Sewer	4 %	500 00

1922

Jan. I	School	4 %	3,250 00
Mar. I	Sewer	4 %	500 00
July I	Street	4½ %	800 00
July I	Street	4½ %	2,000 00
July I	Street	4½ %	5,000 00
July I	Street	4½ %	1,500 00
July I	Street	4 %	3,500 00
July I	Street	4 %	4,800 00
July I	Street	4 %	400 00
July I	Street	4 %	500 00
July I	School	4 %	3,250 00
July I	Building	4½ %	5,500 00
July I	Sewer	4 %	1,000 00
July I	Park	4 %	1,000 00
Aug. I	Street	4 %	6,000 00
Aug. I	Street	4 %	1,000 00
Aug. I	Street	4 %	5,000 00
Sept. I	Park	3½ %	2,000 00
Sept. I	Street	4½ %	800 00
Sept. I	Hospital	4 %	3,000 00

Amount carried forward..... \$456,450 00

City Funded Debt—Continued

Amount brought forward \$456,450 00

1922 Continued

Dec. I	Municipal	.....4	%.....	1,000 00
Dec. I	Street	.....4	%.....	400 00
Dec. I	Sewer	.....4	%.....	500 00

1923

Jan. I	School	.....4	%.....	3,250 00
Mar. I	Sewer	.....4	%.....	500 00
July I	Street	.....$\frac{1}{2}$	%.....	800 00
July I	Street	.....$\frac{1}{2}$	%.....	2,000 00
July I	Street	.....$\frac{1}{2}$	%.....	3,700 00
July I	Street	.....$\frac{1}{2}$	%.....	1,500 00
July I	Street	.....4	%.....	3,500 00
July I	Street	.....4	%.....	4,800 00
July I	Street	.....4	%.....	400 00
July I	Street	.....4	%.....	500 00
July I	School	.....4	%.....	3,250 00
July I	Building	.....$\frac{1}{2}$	%.....	5,500 00
July I	Sewer	.....4	%.....	1,000 00
July I	Park	.....4	%.....	1,000 00
Aug. I	Street	.....4	%.....	6,000 00
Aug. I	Street	.....4	%.....	1,000 00
Aug. I	Street	.....4	%.....	5,000 00
Sept. I	Park	.....$\frac{3}{2}$	%.....	2,000 00
Sept. I	Street	.....$\frac{1}{2}$	%.....	800 00
Sept. I	Hospital	.....4	%.....	3,000 00
Dec. I	Municipal	.....4	%.....	1,000 00
Dec. I	Street	.....4	%.....	400 00
Dec. I	Sewer	.....4	%.....	500 00

1924

Jan. I	School	.....4	%.....	3,250 00
Mar. I	Sewer	.....4	%.....	500 00
July I	Street	.....$\frac{1}{2}$	%.....	2,000 00
July I	Street	.....4	%.....	3,500 00
July I	Street	.....4	%.....	4,800 00
July I	Street	.....4	%.....	400 00
July I	Street	.....1	%.....	500 00
July I	School	.....4	%.....	3,250 00
July I	Sewer	.....4	%.....	1,000 00
July I	Park	.....4	%.....	1,000 00
Aug. I	Street	.....4	%.....	6,000 00
Aug. I	Street	.....4	%.....	1,000 00
Aug. I	Street	.....4	%.....	5,000 00
Sept. I	Park	.....$\frac{3}{2}$	%.....	2,000 00
Sept. I	Street	.....$\frac{1}{2}$	%.....	800 00
Sept. I	Hospital	.....4	%.....	3,000 00
Dec. I	Street	.....4	%.....	400 00
Dec. I	Sewer	.....4	%.....	500 00

1925

Jan. I	School	.....4	%.....	3,250 00
Mar. I	Sewer	.....4	%.....	500 00
July I	Street	.....$\frac{1}{2}$	%.....	2,000 00

Amount carried forward \$554,400 00

City Funded Debt—Continued

Amount brought forward..... \$554,400 00

1925 Continued

July	I	Street	.....4	%	.....	400 00
July	I	School	.....4	%	.....	3,250 00
July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	2,000 00
Sept.	I	Hospital	.....4	%	.....	3,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1926

Jan.	I	School	.....4	%	.....	3,250 00
Mar.	I	Sewer	.....4	%	.....	500 00
July	I	Street	.....4½	%	.....	2,000 00
July	I	Street	.....4	%	.....	400 00
July	I	Sewer	.....4	%	.....	1,000 00
July	I	School	.....4	%	.....	3,250 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	2,000 00
Sept.	I	Hospital	.....4	%	.....	3,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1927

Jan.	I	School	.....4	%	.....	3,250 00
July	I	Street	.....4½	%	.....	2,000 00
July	I	Street	.....4	%	.....	400 00
July	I	Sewer	.....4	%	.....	1,000 00
July	I	School	.....4	%	.....	3,250 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	2,000 00
Sept.	I	Hospital	.....4	%	.....	3,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1928

Jan.	I	School	.....4	%	.....	3,250 00
July	I	Street	.....4½	%	.....	2,000 00
July	I	Street	.....4	%	.....	400 00
July	I	Sewer	.....4	%	.....	1,000 00
July	I	School	.....4	%	.....	3,250 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	2,000 00
Sept.	I	Hospital	.....4	%	.....	3,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1929

Jan.	I	School	.....4	%	.....	3,250 00
July	I	Street	.....4½	%	.....	2,000 00
July	I	Street	.....4	%	.....	400 00
July	I	Sewer	.....4	%	.....	1,000 00
July	I	School	.....4	%	.....	3,250 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	2,000 00
Sept.	I	Hospital	.....4	%	.....	3,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

Amount carried forward \$631,650 00

City Funded Debt—Continued

Amount brought forward \$631,650 00

1930					
Jan.	I	School	.....4	%.....	3,250 00
July	I	Street	.....4½	%.....	2,000 00
July	I	Street	.....4	%.....	400 00
July	I	Sewer	.....4	%.....	1,000 00
July	I	School	.....4	%.....	3,250 00
July	I	Park	.....4	%.....	1,000 00
Sept.	I	Park	.....3½	%.....	2,000 00
Sept.	I	Hospital	.....4	%.....	3,000 00
Dec.	I	Sewer	.....4	%.....	500 00

1931					
Jan.	I	School	.....4	%.....	3,250 00
July	I	Street	.....4½	%.....	2,000 00
July	I	Street	.....4	%.....	400 00
July	I	Sewer	.....4	%.....	1,000 00
July	I	School	.....4	%.....	3,250 00
July	I	Park	.....4	%.....	1,000 00
Sept.	I	Park	.....3½	%.....	2,000 00
Sept.	I	Hospital	.....4	%.....	3,000 00
Dec.	I	Sewer	.....4	%.....	500 00

1932					
Jan.	I	School	.....4	%.....	3,250 00
July	I	Street	.....4½	%.....	2,000 00
July	I	Street	.....4	%.....	400 00
July	I	Sewer	.....4	%.....	1,000 00
July	I	School	.....4	%.....	3,250 00
July	I	Park	.....4	%.....	1,000 00
Sept.	I	Park	.....3½	%.....	2,000 00
Sept.	I	Hospital	.....4	%.....	3,000 00
Dec.	I	Sewer	.....4	%.....	500 00

1933					
Jan.	I	School	.....4	%.....	3,250 00
July	I	Street	.....4½	%.....	2,000 00
July	I	Street	.....4	%.....	400 00
July	I	Sewer	.....4	%.....	1,000 00
July	I	School	.....4	%.....	3,250 00
July	I	Park	.....4	%.....	1,000 00
Sept.	I	Park	.....3½	%.....	1,000 00
Sept.	I	Hospital	.....4	%.....	3,000 00
Dec.	I	Sewer	.....4	%.....	500 00

1934					
Jan.	I	School	.....4	%.....	3,250 00
July	I	Street	.....4	%.....	400 00
July	I	Sewer	.....4	%.....	1,000 00
July	I	Park	.....4	%.....	1,000 00
Sept.	I	Park	.....3½	%.....	1,000 00
Sept.	I	Hospital	.....4	%.....	3,000 00
Dec.	I	Sewer	.....4	%.....	500 00

Amount carried forward \$706,400 00

City Funded Debt—Continued

Amount brought forward \$706,400 00

1935

Jan.	I	School	.....4	%	.....	3,250 00
July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1936

July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1937

July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1938

July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1939

July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1940

July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1941

July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1942

July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Sept.	I	Park	.....3½	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

1943

July	I	Sewer	.....4	%	.....	1,000 00
July	I	Park	.....4	%	.....	1,000 00
Dec.	I	Sewer	.....4	%	.....	500 00

Amount carried forward..... \$740,150 00

City Funded Debt—Continued

Amount brought forward \$740,150 00

1944				
July	I	Sewer	.....4 %	1,000 00
July	I	Park	.....4 %	1,000 00
Dec.	I	Sewer	.....4 %	500 00
				<hr/> \$742,650 00

The Bonded Water Debt matures as follows:

1915				
April	I	.....4 %	(20 year)	\$200,000 00
May	I	.....3½ %	(Serial)	12,500 00
July	I	.....4 %	(Serial)	2,000 00
July	I	.....4 %	(Serial)	1,500 00
Aug.	I	.....4 %	(20 year)	200,000 00
Sept.	I	.....3½ %	(Serial)	1,000 00
Nov.	I	.....4 %	(Serial)	500 00
Dec.	I	.....3½ %	(Serial)	1,000 00

1916				
Feb.	I	.....4 %	(Serial)	1,500 00
Mar.	I	.....4 %	(Serial)	500 00
April	I	.....4 %	(20 year)	100,000 00
May	I	.....3½ %	(Serial)	12,500 00
July	I	.....4 %	(20 year)	200,000 00
July	I	.....4 %	(Serial)	3,500 00
July	I	.....4 %	(Serial)	500 00
Aug.	I	.....4 %	(20 year)	100,000 00
Sept.	I	.....3½ %	(Serial)	1,000 00
Oct.	I	.....4 %	(20 year)	265,100 00
Nov.	I	.....4 %	(Serial)	500 00
Dec.	I	.....3½ %	(Serial)	1,000 00

1917				
Feb.	I	.....4 %	(Serial)	1,500 00
Mar.	I	.....4 %	(Serial)	500 00
April	I	.....3½ %	(20 year)	200,000 00
May	I	.....3½ %	(Serial)	12,500 00
July	I	.....3½ %	(20 year)	100,000 00
July	I	.....4 %	(Serial)	3,500 00
Sept.	I	.....3½ %	(Serial)	1,000 00
Nov.	I	.....3½ %	(20 year)	75,000 00
Nov.	I	.....4 %	(Serial)	500 00
Dec.	I	.....3½ %	(20 year)	140,000 00
Dec.	I	.....3½ %	(Serial)	1,000 00

1918				
Feb.	I	.....4 %	(Serial)	1,500 00
Mar.	I	.....4 %	(Serial)	500 00
May	I	.....3½ %	(Serial)	12,500 00
May	2	.....3½ %	(20 year)	50,000 00
June	I	.....3½ %	(20 year)	60,000 00
July	I	.....4 %	(Serial)	3,500 00

Amount carried forward \$1,768,100 00

City Funded Debt—Continued

Amount brought forward \$1,768,100 00

1918 Continued

Sept.	I	.....	3½ % (Serial)	.....	1,000 00
Nov.	I	.....	3½ % (20 year)	.....	50,000 00
Nov.	I	.....	4 % (Serial)	.....	500 00
Dec.	I	.....	3½ % (Serial)	.....	1,000 00

1919

Feb.	I	.....	4 % (Serial)	.....	1,500 00
Mar.	I	.....	4 % (Serial)	.....	500 00
May	I	.....	3½ % (Serial)	.....	12,500 00
July	I	.....	4 % (Serial)	.....	3,500 00
Sept.	I	.....	3½ % (Serial)	.....	1,000 00
Nov.	I	.....	3½ % (20 year)	.....	23,000 00
Nov.	I	.....	4 % (Serial)	.....	500 00
Dec.	I	.....	3½ % (Serial)	.....	1,000 00

1920

Feb.	I	.....	4 % (Serial)	.....	1,500 00
Mar.	I	.....	4 % (Serial)	.....	500 00
May	I	.....	3½ % (Serial)	.....	12,500 00
July	I	.....	4 % (Serial)	.....	3,500 00
Sept.	I	.....	3½ % (Serial)	.....	1,000 00
Nov.	I	.....	3½ % (20 year)	.....	30,000 00
Nov.	I	.....	4 % (Serial)	.....	500 00
Dec.	I	.....	3½ % (Serial)	.....	1,000 00

1921

Feb.	I	.....	4 % (Serial)	.....	1,500 00
Mar.	I	.....	4 % (Serial)	.....	500 00
May	I	.....	3½ % (Serial)	.....	12,500 00
July	I	.....	3½ % (20 year)	.....	30,000 00
July	I	.....	4 % (Serial)	.....	3,500 00
Sept.	I	.....	3½ % (Serial)	.....	1,000 00
Nov.	I	.....	4 % (Serial)	.....	500 00
Dec.	I	.....	3½ % (Serial)	.....	1,000 00

1922

Feb.	I	.....	4 % (Serial)	.....	1,500 00
Mar.	I	.....	4 % (Serial)	.....	500 00
May	I	.....	3½ % (Serial)	.....	12,500 00
July	I	.....	3½ % (20 year)	.....	13,500 00
July	I	.....	4 % (Serial)	.....	3,500 00
Sept.	I	.....	3½ % (Serial)	.....	1,000 00
Nov.	I	.....	3½ % (20 year)	.....	5,000 00
Nov.	I	.....	4 % (Serial)	.....	500 00
Dec.	I	.....	3½ % (Serial)	.....	1,000 00

1923

Feb.	I	.....	4 % (Serial)	.....	1,500 00
Mar.	I	.....	4 % (Serial)	.....	500 00
May	I	.....	½ % (Serial)	.....	12,500 00
July	I	.....	4 % (Serial)	.....	3,500 00
Sept.	I	.....	3½ % (Serial)	.....	1,000 00
Nov.	I	.....	4 % (Serial)	.....	500 00
Dec.	I	.....	3½ % (Serial)	.....	1,000 00

Amount carried forward \$2,024,600 00

City Funded Debt—Continued

Amount brought forward \$2,024,600 00

1924

Feb.	I	..... 4 % (Serial)	1,500 00
Mar.	I	..... 4 % (Serial)	500 00
April	I	..... 4 % (30 year)	300,000 00
May	I	..... 3½ % (Serial)	12,500 00
July	I	..... 4 % (Serial)	3,500 00
Sept.	I	..... 3½ % (Serial)	1,000 00
Nov.	I	..... 3½ % (Serial)	500 00
Dec.	I	..... 3½ % (Serial)	1,000 00

1925

Feb.	I	..... 4 % (Serial)	1,500 00
Mar.	I	..... 4 % (Serial)	500 00
May	I	..... 3½ % (Serial)	12,500 00
May	I	..... 3½ % (20 year)	46,000 00
July	I	..... 4 % (Serial)	3,500 00
Sept.	I	..... 3½ % (Serial)	1,000 00
Nov.	I	..... 4 % (Serial)	500 00
Dec.	I	..... 3½ % (Serial)	1,000 00

1926

Feb.	I	..... 4 % (Serial)	1,500 00
Mar.	I	..... 4 % (Serial)	500 00
July	I	..... 4 % (Serial)	3,500 00
Sept.	I	..... 3½ % (Serial)	1,000 00
Nov.	I	..... 4 % (Serial)	500 00
Dec.	I	..... 3½ % (Serial)	1,000 00

1927

Feb.	I	..... 4 % (Serial)	1,500 00
Mar.	I	..... 4 % (Serial)	500 00
July	I	..... 4 % (Serial)	3,500 00
Sept.	I	..... 3½ % (Serial)	1,000 00
Nov.	I	..... 4 % (Serial)	500 00
Dec.	I	..... 3½ % (Serial)	1,000 00

1928

Feb.	I	..... 4 % (Serial)	1,500 00
Mar.	I	..... 4 % (Serial)	500 00
June	I	..... 4 % (Serial)	20,000 00
July	I	..... 4 % (20 year)	3,500 00
Sept.	I	..... 3½ % (Serial)	1,000 00
Nov.	I	..... 4 % (Serial)	500 00
Dec.	I	..... 3½ % (Serial)	1,000 00

1929

Feb.	I	..... 4 % (Serial)	1,500 00
Mar.	I	..... 4 % (Serial)	500 00
July	I	..... 4 % (Serial)	3,500 00
Sept.	I	..... 3½ % (Serial)	1,000 00
Nov.	I	..... 4 % (Serial)	500 00
Dec.	I	..... 3½ % (Serial)	1,000 00

Amount carried forward \$2,463,600 00

City Funded Debt—Continued

BONDED WATER DEBT—Continued

Amount brought forward..... \$2,463,600 00

1930

Jan.	I	.....	3½ %	(20 year)	.....	5,000 00
Feb.	I	.....	4 %	(Serial)	.....	1,500 00
Feb.	I	.....	3½ %	(20 year)	.....	5,000 00
Mar.	I	.....	4 %	(Serial)	.....	500 00
July	I	.....	4 %	(Serial)	.....	3,500 00
Sept.	I	.....	3½ %	(Serial)	.....	1,000 00
Nov.	I	.....	4 %	(Serial)	.....	500 00
Dec.	I	.....	3½ %	(Serial)	.....	1,000 00

1931

Feb.	I	.....	4 %	(Serial)	.....	500 00
Mar.	I	.....	4 %	(Serial)	.....	500 00
July	I	.....	4 %	(Serial)	.....	3,500 00
Sept.	I	.....	3½ %	(Serial)	.....	1,000 00
Nov.	I	.....	4 %	(Serial)	.....	500 00
Dec.	I	.....	3½ %	(Serial)	.....	1,000 00

1932

Feb.	I	.....	4 %	(Serial)	.....	500 00
Mar.	I	.....	4 %	(Serial)	.....	500 00
July	I	.....	4 %	(Serial)	.....	3,500 00
Sept.	I	.....	3½ %	(Serial)	.....	1,000 00
Nov.	I	.....	4 %	(Serial)	.....	500 00
Dec.	I	.....	3½ %	(Serial)	.....	1,000 00

1933

Mar.	I	.....	4 %	(Serial)	.....	500 00
July	I	.....	4 %	(Serial)	.....	3,500 00
Sept.	I	.....	3½ %	(Serial)	.....	1,000 00
Nov.	I	.....	4 %	(Serial)	.....	500 00
Dec.	I	.....	3½ %	(Serial)	.....	1,000 00

1934

July	I	.....	4 %	(Serial)	.....	1,500 00
Sept.	I	.....	3½ %	(Serial)	.....	1,000 00
Dec.	I	.....	3½ %	(Serial)	.....	1,000 00

1935

July	I	.....	4 %	(Serial)	.....	1,500 00
Sept.	I	.....	3½ %	(Serial)	.....	1,000 00
Dec.	I	.....	3½ %	(Serial)	.....	1,000 00

1936

May	I	.....	4 %	(30 year)	.....	280,000 00
July	I	.....	4 %	(Serial)	.....	1,500 00
Sept.	I	.....	3½ %	(Serial)	.....	1,000 00

1937

June	I	.....	4 %	(30 year)	.....	49,000 00
July	I	.....	4 %	(30 year)	.....	25,000 00

Amount carried forward \$2,865,600 00

The Trust Funds—Continued

BONDED WATER DEBT—Concluded

<i>Amount brought forward</i>				\$2,865,600 00
July	I	.....4	% (Serial)	1,500 00
Sept.	I	.....3½	% (20 year).....	1,000 00
1938				
July	I	.....4	% (Serial)	1,500 00
Aug.	I	.....4	% (30 year)	17,000 00
July	I, 1939	.....4	% (Serial)	1,500 00
July	I, 1940	.....4	% (Serial)	1,500 00
May	I, 1941	.....3½	% (30 year)	16,500 00
July	I, 1941	.....4	% (Serial)	1,500 00
Dec.	I, 1941	.....3½	% (30 year)	10,000 00
July	I, 1942	.....4	% (Serial)	1,500 00
July	I, 1943	.....4	% (Serial)	1,500 00
July	I, 1944	.....4	% (Serial)	1,500 00
Total				<u>\$2,922,100 00</u>

City Funded Debt—Concluded

	April 1, 1914	April 1, 1915	Increase 1914-15	Decrease 1914-15
Funded City Debt	\$8,764,300 00	\$8,599,300 00		\$165,000 00
Sinking Funds for City Debt	2,956,610 69	3,191,173 89	\$234,563 20	
Net Funded City Debt	5,087,689 31	5,408,126 11		399,563 20
Serial City Debt	326,200 00	742,650 00	416,450 00	
Net City Debt	\$6,133,889 31	\$6,150,776 11	\$16,886 80	
Funded Water Debt	\$2,620 100 00	\$2,620,100 00		
Sinking Fund for Water Debt	1,719,049 81	1,900,141 93	\$181,092 12	
Net Funded Water Debt....	\$901,050 19	\$719,958 07		\$181,092 12
Serial Water Debt	276,000 00	302,000 00	\$26,000 00	
Net Water Debt	\$1,177,050 19	\$1,021,958 07		\$155,092 12

RECAPITULATION

Amount of City Loans upon which interest is at 4 1-2 per cent.	\$224,150 00
Amount of City Loans upon which interest is at 4 per cent.	4,376,100 00
Amount of City Loans upon which interest is at 3 1-2 per cent.	4,641,700 00
Amount of City Loans upon which interest is at 3 per cent.	100,000 00
	<hr/> \$9,341,950 00
Amount of Water Loans upon which interest is at 4 per cent.	\$1,881,600 00
Amount of Water Loans upon which interest is at 3 1-2 per cent.	1,040,500 00
	<hr/> \$2,922,100 00

Temporary Loans for the past ten years and interest upon the same:

Year	Temporary Loan.	Interest paid upon Loan	Year.	Temporary Loan.	Interest paid upon Loan
1905.....	\$575,000	\$8,829 92	1910.....	\$395,000	\$3,679 44
1906.....	413,000	9,314 60	1911.....	400,000	3,927 62
1907.....	720,000	13,974 10	1912.....	500,000	5,426 03
1908.....	495,000	9,175 71	1913.....	400,000	7,432 77
1909.....	760,000	7,670 53	1914.....	1,145,000	13,518 04

ANNUITIES AND TRUST FUNDS

(ACTS 1904, CHAPTER 322)

AN ACT TO PROVIDE FOR THE AUDITING OF CERTAIN TRUST FUNDS AND ACCOUNTS

Be it enacted, etc., as follows:

SECTION 1. It shall be the duty of city and town auditors at least once every year, and so much oftener as they may deem it necessary, to audit the accounts of the trustees of any property, the principal or income of which,

Annuities and Trust Funds—Concluded

in whole or in part, was bequeathed or given in trust for the benefit of the inhabitants of the city or town or any part thereof, and to examine and estimate the funds, securities and evidences of property held by such trustees. City and town auditors shall include in their annual reports a report of such auditing and investigation; and if they discover any fraud or irregularity they shall immediately report the same to the mayor and treasurer of the city or to the selectmen and treasurer of the town.

SECTION 2. It shall be the duty of the trustees designated in Section one hereof to give city and town auditors free access to their accounts, funds, securities and evidences of property; and any such trustee who refuses to exhibit his trust accounts, funds, securities and evidences as aforesaid shall be subject to a fine of not less than fifty nor more than two hundred dollars.

SECTION 3. This act shall be construed as applying only to property held in trust for public uses. (*Approved May 9, 1904.*)

Under the provisions of the foregoing Act, I hereby certify that I have examined the accounts, vouchers and securities belonging to the Trust Funds held for public uses, and find them correct and in excellent condition.

Attest:

CHARLES H. THURSTON, *City Auditor.*

April 1, 1915.

ANNUITIES

	Original Gift	Annual Payment
Daniel White Charity Annuity	\$5,000	\$300
Dowse Institute Annuity	10,000	600
Sanders Temperance Annuity	10,000	600
	\$25,000	\$1,500

DANIEL WHITE CHARITY (\$10,360.00)

Established by Daniel White, of Charlestown, in his lifetime for the purchase and distribution of fuel among the deserving poor of Cambridge, his native city.

May 15, 1863, he appointed four trustees, with the Mayor of Cambridge, *ex officio*, to distribute not exceeding \$300 per year. The trustees fill any vacancies in their number, in case of death, etc. Ex-Mayor J. Warren Merrill added a bequest in cash and stocks to the value of \$5,360, thus making the principal \$10,360. The present permanent members are George S. Saunders, Walter F. Earle and George H. Howard, and the fund is invested by the trustees.

REPORT OF THE TREASURER OF THE DANIEL WHITE CHARITY FUND

Receipts:

Amount of Fund, March 31, 1914	\$11,116 38
Interest received on city notes	\$500 00
Interest received on bank balance	30 70
Cash balance at beginning of year	756 38
	<u>\$1,287 08</u>

Annuities—Continued

Payments:

Paid for safe deposit box	5 00
Paid for coal for poor	664 79
Cash balance at close of year	617 29

	<u>\$1,287 08</u>
Principal	\$10,000 00
Cash in principal	360 00
Cash balance in bank	617 29

\$10,977 29

Amount of Fund March 31, 1915 \$10,977 29

THE DOWSE INSTITUTE (\$10,003)

The executors of Thomas Dowse, under a discretionary power in his will, gave to the city, on June 31, 1858, the sum of ten thousand dollars for an annual course of lectures, the city agreeing to pay to the trustees of said institute interest thereon at the rate of six per cent. per annum. The trustees consist of three permanent members, with the Mayor and the President of the Common Council, for the time being. The original permanent members were appointed by the executors, and the board fills its own vacancies.

REPORT OF THE TREASURER OF THE DOWSE INSTITUTE FUND

Receipts:

To bank balance		\$492 05
Received from city as interest	\$600 00	
Received from sale of tickets	114 50	
Received as interest on deposit with Cambridge Trust Co.	8 84	
	<u></u>	<u>\$723 34</u>
		<u>\$1,215 39</u>

Payments:

By Riverside Alliance, Courses of Instruction	\$30 00	
Y. M. C. A. for lectures	15 00	
L. F. Weston, printing	11 75	
Cambridge Tribune, advertising	10 00	
Cambridge Chronicle, advertising	10 00	
Cambridge Sentinel, advertising	5 00	
Cambridge Standard, advertising	5 00	
Boston Transcript, advertising	8 00	
City of Cambridge, License for 6 lectures	6 00	
Roy Chapman Andrews, Lecture	100 00	
W. L. Underwood, Lecture	50 00	
Charles T. Copeland, Lecture	50 00	
A. L. Squier, Lecture	55 00	
James Ford, Lecture	50 00	
Pierian Sodality, Concert	75 00	
Cambridge Social Union, Rent of Hall	120 00	
Cambridge Union of Social Workers	50 00	
Caustic & Claflin, Printing	3 50	
Door Keeper and Ushers	26 00	
	<u></u>	<u>\$680 25</u>
Balance in bank		535 14
		<u>\$1,215 39</u>

Annuities—Concluded

THE SANDERS TEMPERANCE ANNUITY (\$10,000)

This sum was given to the City by the will of Charles Sanders, of Cambridge, who died April 7, 1864, for the support of a missionary to promote the cause of temperance. The trustees consist of the Mayor, President of the Board of Aldermen and President of the Common Council. The City pays a missionary \$600 a year to carry out the provisions of the will.

THE HOPKINS FUND (£.500)

Edward Hopkins died in London, England, in 1657 or 1658, leaving £ 500 to be used, upon the death of his widow to aid a college and school in New England. The Court of Chancery gave it to Harvard College and a school in Cambridge. One fourth of the net income is paid annually to the City for classical instruction in the Latin School. The trustees are a corporation established in Boston.

TREASURER'S REPORT OF HOPKINS FUND

Amount on hand March 31, 1914	\$1,398 99
Interest accumulations on deposit	47 27
Received from Treasurer of Hopkins Fund	802 82
	<hr/>
	\$2,249 08
Paid to Warren Joseph Scott Prize	\$100 00
Paid to School Department for tuition	320 00
	<hr/>
Balance, March 31, 1915, Harvard Trust Company	\$1,829 08
	<hr/>

HENRY F. LEHAN, *City Treasurer.*

March 31, 1915.

THE TRUST FUNDS

CEMETERY FUND FOR PERPETUAL CARE OF LOTS

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the perpetual care of their lots therein. The fund is almost all invested in City of Cambridge registered bonds. First established in 1860.

Amount of Bonds in fund, March 31, 1914	\$103,950 00
Amount of Bonds purchased to March 31, 1915.....	5,200 00
	<hr/>
	109,150 00
Amount of Bonds matured during the year	1,000 00
	<hr/>
	\$108,150 00

CASH ACCOUNT

DR.

Cash on hand, March 31, 1914	\$1,310 87
Received from proprietors of lots for perpetual care	3,217 50
	<hr/>
Amount	\$4,528 37

The Trust Funds—Continued

<i>Amount brought forward</i>	\$4,528 37	
Received from bonds matured	1,000 00	
Received from interest on investments	4,032 69	
Received from deeds in trust	140 00	
Received from discount on bonds purchased...	30 82	
	<hr/>	9,731 88
CR.		
Cash paid for bonds	\$5,200 00	
Paid for interest accrued on bonds purchased...	42 95	
Paid to Cemetery Trustees for care of lots in perpetual care	3,989 74	
On hand March 31, 1915	499 19	
	<hr/>	9,731 88
Registered Bonds	\$108,150 00	
Deposit in Harvard Trust Co.	499 19	
	<hr/>	108,649 19
Fund for Perpetual Care	\$108,257 19	
Fund for Deeds in Trust	392 00	
	<hr/>	108,649 19

CEMETERY FUND: DEEDS IN TRUST

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the furtherance of certain trusts mentioned in conveyances of lots to the City in trust.

The funds amount to \$392.00, and was first established March 11, 1901.
Included in investment of Perpetual Care Fund..... \$392 00

THE BRIDGE CHARITABLE FUND

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876), the amount of said fund came into the hands of the City. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars, one third of the income to be added to the principal and two thirds paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the Board of Aldermen and, the President of the Common Council.

The City Treasurer is custodian of the Fund.

Amount of Fund, March 31, 1913	\$2,580 25
Interest to March 31, 1914	\$104 22
Two-thirds income paid to Overseers of the Poor..	69 48
One-thirds income paid to Fund	34 74
	<hr/>
Balance deposited in Central Trust Company	\$2,614 99
	<hr/>

Two thirds of the income amounting to \$69.48 was paid to the Overseers of the Poor, and the balance, \$34.74, was added to the principal, leaving a balance of \$2,614.99 in the hands of the City Treasurer. Said sum is deposited in the Central Trust Company and bears interest at the rate of four per cent. per annum.

HENRY F. LEHAN, *City Treasurer.*

March 31, 1915.

The Trust Funds—Continued

CITIZEN'S SUBSCRIPTION FUND (\$5,500)

In 1889, a committee of citizens raised by subscription a fund to enable the trustees to purchase a large number of books at the time the new public library building was opened. The unexpended balance (fifty-five hundred dollars), was invested and the income is used for the same purpose.

Balance in bank, March 31, 1914	\$132 64	
Receipts	319 69	
		<hr/>
Expenditures		\$452 33
		157 57
		<hr/>
Balance on deposit		\$294 76
		<hr/>
The principal is invested in Cambridge Sewer Bonds, Nos. 47 and 1150		\$5,500 00
		<hr/>
		<hr/>

CUMMINGS LEGACY (\$2,000)

As provided in the will of Daniel P. Cummings who died May 3, 1889, the sum of two thousand dollars was paid over to the trustees of the Public Library, the annual income to be expended by said trustees in the purchase of non-sectarian books for the Public Library.

Balance on deposit, March 31, 1914	\$108 95	
Receipts	70 00	
		<hr/>
Expended		\$178 95
		60
		<hr/>
Balance on deposit		\$178 35
		<hr/>
The principal is invested in Cambridge Sewer Bonds, No. 1102		\$2,000 00
		<hr/>
		<hr/>

FAY LEGACY (\$1,000)

In accordance with the provisions of the will of Isaac Fay, who died December 29, 1872, the sum of one thousand dollars was paid to the trustees of the Dana Library (now the Cambridge Public Library) for the time being, "which sum shall be safely invested by said trustees, and the income thereof, appropriated to the purchase of books for said Library."

Balance on deposit, March 31, 1914	\$32 67	
Receipts	35 00	
		<hr/>
Expenditures		\$67 67
		64
		<hr/>
Balance on deposit		\$67 03
		<hr/>
The principal is invested in a Cambridge school house bond No. 254		\$1,000 00
		<hr/>
		<hr/>

The Trust Funds—Continued

WILLIAM E. SAUNDERS FUND (\$7,542 97)

In accordance with the will of Abigail L. Prentiss, the residue, after the termination of certain annuities, was paid to the Trustees of the Cambridge Public Library, the annual income to be used for the purchase of books to be placed in the William E. Sanders Alcove, and for the care of same. This alcove is assigned to books on genealogy.

Balance on deposit, March 31, 1914	\$241 79	
Receipts to March 31, 1915	245 00	
		<hr/>
		\$486 79
Expenditures		306 01
		<hr/>
Balance on deposit		\$180 78
		<hr/>
The principal is invested in Cambridge Bonds, Nos. 544 and 545		\$7,000 00
Deposited in Cambridgeport Savings Bank		542 97
		<hr/>
		\$7,542 97
		<hr/>

JAMES A. WOOLSON FUND (\$5,000)

By the request of James A. Woolson, the sum of five thousand dollars was paid to the Trustees of the Cambridge Public Library, the income only to be used for the purchase of books. In each book purchased there is placed an appropriate book-plate.

Balance on deposit, March 31, 1914	\$173 53	
Receipts to March, 31, 1915	175 00	
		<hr/>
		\$348 53
Expenditures		115 50
		<hr/>
Balance on deposit		\$233 03
		<hr/>
The principal is invested in Cambridge Bond No. 701.....		\$5,000 00
		<hr/>

EDWARD H. WHORF FUND

Balance on deposit, March 31, 1914.....	\$275 24	
Receipts to March 31, 1915.....	120 00	
		<hr/>
		\$395 24
Expenditures		232 43
		<hr/>
Balance on deposit		\$162 81
The principal is invested in three American Telephone and Tele-		
graph Company bonds, Nos. 9755, 9756 and 9757		\$3,000 00
		<hr/>

WILLIAM PENN HARDING FUND
(Library Report)

Balance on hand March 31, 1914.....	\$31 67	
Receipts to March 31, 1915	45 49	
		<hr/>
		\$77 16
Expenditures		16 20
		<hr/>
Balance on hand		\$60 96
Principal deposited in East Cambridge Savings Bank		\$1,000 00
		<hr/>

The Trust Funds—Continued

WILLIAM PENN HARDING FUND

By a bequest to the City, on behalf of the Public Library, the sum of \$1,000, in accordance with the will of William Penn Harding, the money was turned over to the City Treasurer. The annual income shall be paid to the Trustees of the Public Library and is to be expended in the purchase of recent books on science, art or travel of a popular and instructive character. Said bequest shall be designated the William Penn Harding Fund, which designation shall be printed in all books so purchased.

TREASURER'S REPORT OF THE WILLIAM PENN HARDING FUND

March 31, 1914—Deposited in East Cambridge Savings Bank...	\$1,000 00
March 31, 1915—The interest on said fund, amounting to \$45.49 was paid to the Trustees of the Public Library in accordance with the provisions of the gift.	,

The passbook of the East Cambridge Savings Bank shows that on March 31, 1915, the amount on deposit was	\$1,000 00
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HENRY F. LEHAN, *City Treasurer*

March 31, 1915.

MELICTABLE C. C. WILSON FUND

May 16, 1914—Bequest deposited in Harvard Trust Co.	\$543 75
May 1, 1915—Interest on deposit	24 16
	<hr/>
Balance on deposit	\$567 91

SARAH E. RUSSELL FUND (\$814.41)

As provided in the will of Sarah E. Russell, of Cambridge, who died October 6, 1897, the sum of eight hundred fourteen dollars and forty-one cents was paid to the City by the executors of the will, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse." Mrs. Russell was the widow of Hon. Charles Theodore Russell, and the mother of Hon. William E. Russell, both of whom served the City as Mayor.

Amount of deposit, March 31, 1914.....	814 41
Interest to December 1, 1914	32 88
	<hr/>
	\$847 29
Amount paid as per provision of bequest, December 23, 1914	32 88
	<hr/>
Balance in Cambridgeport Savings Bank, March 31, 1915	\$814 41
	<hr/>

TREASURER'S REPORT OF THE SARAH E. RUSSELL FUND

The amount of the bequest was \$814.41, and was deposited in the Cambridgeport Savings Bank, where it now remains.

The interest accumulations, amounting to \$32.88 for the year, have been paid to Mr. C. E. Goodrow, Superintendent of the City Home, and were used as stipulated in the will of Mrs. Russell.

HENRY F. LEHAN, *City Treasurer*

March 31, 1915.

The Trust Funds—Continued

JOHN WESLEY FREESE FUND (\$89.36)

This is a fund of \$89.36 bequeathed by the late John Wesley Freese in November, 1914. This sum is to accumulate for twenty years, after which time not more than three-fourths of the annual income to be expended for books or works of art for the Houghton School.

TAILINGS ACCOUNT TRUST FUND

This fund consists of various amounts of money due on payrolls and sundry drafts, which have remained in the hands of the Treasurer awaiting payment to persons properly entitled to the same.

The amount of the Fund, March 31, 1914	\$4,460 76	
Interest on Deposit to March 31, 1915.....	108 48	
		\$4,569 24
There has been paid out of the Fund during the year to sundry persons		101 88
March 31, 1915—Balance on deposit, Harvard Trust Company....		<u>\$4,467 36</u>

HENRY F. LEHAN, *City Treasurer.*

CITY AUDITOR'S STATEMENT OF PROVISIONS OF SECTION 1, CHAPTER 322 ACTS OF 1904

Under the provisions of Section 1, Chapter 322, Acts of 1904, I hereby certify that I have this day examined the accounts, vouchers and securities belonging to the within Trust Funds, held for public use and find them to be correct and in excellent condition.

Attest:

CHARLES H. THURSTON, *City Auditor.*

March 31, 1915.

TAXES

The amount of taxes assessed by the Board of Assessors on the real and personal estates and polls of Cambridge, April 1, 1914, was as follows:

Valuation of real estate	\$104,886,400 00
Valuation of personal estate	23,054,995 00
	<hr/>
	\$127,891,395 00
Assessed at \$21.40 per \$1,000	\$2,736,875 873
28,620 polls at \$2.00	57,240 00
Bank stock (non-resident separately assessed)	4,457 727
	<hr/>
	\$2,798,573 60
The Tax is divided as follows:	
For city purposes*	\$2,164,866 38
Non-resident bank stock assessed separately	4,457 727
Overlay	47,805 053
	<hr/>
	\$2,217,129 16
County Assessments	126,152 80
State Assessments:	
State	239,037 50
Sewerage	114,341 14
Parks	62,526 22
Charles River Basin	17,601 38
Alewife Brook	5,182 89
Smoke Nuisance	476 58
Charles River Basin Account Bridge	25,125 91
	<hr/>
	455,291 62
	<hr/>
	\$2,798,573 58
Increase in real estate valuation	\$3,681,300 00
Increase in personal valuation	3,077,805 00
	<hr/>
	\$6,759,105 00
Increase in number of polls since last year, 323 polls at \$2...	646 00
	<hr/>
Gain in valuation since last year	\$6,759,751 00
Number of houses assessed	14,508 7-12
Number of horses assessed	3,705
Number of cows assessed	44
Number of bulls assessed	2
Number of swine assessed	40

*To meet the City expenses the income from various departments is added to this sum raised by taxation.

Statement of the valuations of the personal property and real estate of the City of Cambridge, with the number of polls, dwellings, and rate of taxation for the past twenty years:

Year	Polls	Personal	Real Estate	Total	Dwellings	Rate per \$1,000
1895	22,781	16,607,360	64,303,700	80,911,060	12,305	15 70
1896	23,847	15,914,995	67,835,100	83,750,095	12,723	15 10
1897	24,407	16,302,545	70,339,200	86,641,745	13,217	17 50
1898	24,628	16,642,990	72,908,100	89,551,090	13,473	16 40
1899	24,995	16,991,995	74,550,800	91,542,795	13,588	17 10
1900	25,117	17,865,230	76,600,700	94,465,930	13,713	16 90
1901	25,306	17,648,575	78,568,300	96,216,875	13,846 1-2	16 90
1902	25,680	17,742,985	80,396,900	98,139,885	13,889 2-3	18 30
1903	25,749	17,708,510	87,063,400	104,771,910	13,833	16 90
1904	25,968	17,346,500	87,481,100	104,827,600	13,858	17 90
1905	26,696	15,994,100	87,851,500	103,845,600	13,893	19 00
1906	26,434	16,550,235	88,603,000	105,153,235	13,937 1-2	18 60
1907	26,064	17,773,990	89,235,300	107,009,290	14,018 1-5	18 80
1908	25,815	16,854,775	90,026,300	106,881,075	13,969 5-6	20 10
1909	25,898	16,118,635	90,839,500	106,958,135	14,010 5-6	21 00
1910	26,660	18,774,935	92,021,800	110,796,735	13,150 1-3	20 10
1911	26,810	17,409,635	94,171,600	111,581,235	14,121 1-3	19 90
1912	28,110	18,621,000	97,326,300	115,947,300	14,191	20 40
1913	28,297	19,977,190	101,155,100	121,132,290	14,283 1-3	21 40
1914	28,620	23,054,995	104,836,400	127,891,395	14 508 7-12	21 40

Abatements upon taxes for the past twenty years, and amount of tax uncollected March 31, 1914:

Year	Total Tax	Total Abatements	Amount of Tax uncollected March 31, 1915
1895	1,324,613 76	19,427 40	.....
1896	1,321,932 65	17,922 54	.....
1897	1,574,047 50	22,081 73	.....
1898	1,527,863 88	27,566 98	.....
1899	1,623,592 35	35,317 61	.....
1900	1,654,588 36	33,005 90	.....
1901	1,683,690 84	24,390 38	.....
1902	1,854,557 82	30,013 44	.....
1903	1,828,456 95	41,525 33	.....
1904	1,934,772 56	50,088 47	.....
1905	2,031,457 20	48,886 73	.....
1906	2,012,805 80	61,528 79	.....
1907	2,018,170 44	63,481 85	.....
1908	2,204,263 62	53,504 40	.....
1909	2,302,311 40	41,912 89	27,273 30
1910	2,283,43 10	38,962 37	26,532 22
1911	2,274,086 57	29,990 62	24,410 94
1912	2,421,544 92	77,546 16	21,837 76
1913	2,527,692 72	50,165 66	85,947 06
1914	2,806,390 01	40,207 70	428,831 71

ABATEMENT CERTIFICATES ALLOWED BY BOARD OF ASSESSORS

	Real	Personal	Polls	Collectors	Refunds	Total
Taxes, 1909.....				50		50
Taxes, 1910.....				4 50		4 50
Taxes, 1911.....				1 00		1 00
Taxes, 1912.....	\$71 40			147 32	24,771 82	24,990 54
Taxes, 1913.....	3,580 20	2,082 24	294 00	2,397 73	1,396 88	9,751 05
Taxes, 1914	20,407 58	17,887 42	658 00	899 60	355 10	40,207 01
Street Watering..						132 30
Moth Assessments.						19 42
	\$24,059 18	\$19,969 66	952 00	3,450 65	\$26,523 80	\$75,107 01

The valuation of estates in this City for the years 1912, 1913 and 1914 are the same as originally made by the Board of Assessors during those years, and the same figures were reported by that Board to the Tax Commissioners for each of the years respectively. These valuations were subject to changes in each year, after such report was made, as shown by the following:

Net valuations of estates in the City of Cambridge, for the past three years, after adding the amounts of all supplementary warrants and deducting therefrom all abatements up to and including December 31, 1914:

Year	Total Valuation	Abatements	Net Valuation
1912	\$117,348,836	\$3,294,240	\$114,054,596
1913	121,998,690	1,664,092	120,334,598
1914	128,373,795	1,232,842	127,140,953
Totals	\$367,721,321	\$6,191,174	\$361,530,147

Showing an average valuation for the years 1912, 1913 and 1914 of \$120,510,049 00

BORROWING CAPACITY

The average net valuation of the City of Cambridge for the
years 1912, 1913 and 1914\$120,510,049 00

This sum represents the amount upon which the limit of municipal in-
debtedness is fixed under the provisions of Section 12 of Chapter 719 of the
Acts of 1913.

2 1-2 per cent. on same is \$3,012,751 22
The entire City Debt is \$9,341,950 00

Of this amount the following loans are not within
the legal debt limit, being exempted by the
following Acts of the Legislature:

Cambridge Bridge Loan	
Acts of 1898, Chapter 467	\$1,640,000 00
Brookline Bridge Approach	
Acts of 1898, Chapter 467	} 25,000 00
Acts of 1904, Chapter 391	
Commercial Avenue Bridge	
Acts of 1903, Chapter 372	50,000 00
Cambridge Bridge Special Loan:	
Charles River Dam:	
Acts of 1904, Chapter 158	28,000 00
Harvard Bridge Loan	
Acts of 1887, Chapter 282	} 400,000 00
Acts of 1888, Chapter 73	
Acts of 1891, Chapter 316	
Park Loan	
Acts of 1892, Chapter 341	} 1,600,000 00
Acts of 1893, Chapter 337	
Acts of 1894, Chapter 89	
Acts of 1897, Chapter 469	
Acts of 1899, Chapter 221	
Acts of 1912, Chapter 578	
Acts of 1912, Chapter 578, serial ...	80,000 00
Sewer Loan	
Acts of 1899, Chapter 473	} 399,000 00
Acts of 1899, Chapter 189	
Acts of 1903, Chapter 383	267,000 00
Acts of 1903, Chapter 383, serials ...	45,000 00
Hospital Loan	
Acts of 1895, Chapter 99	150,000 00
Cambridge City Hospital Loan	
Acts of 1911, Chapter 545	60,000 00
Amount carried forward.....	

BORROWING CAPACITY — Concluded

<i>Amounts brought forward</i>	\$4,744,000 00	\$9,341,950 00	\$3,012,751 22
Metropolitan Park Assessment			
Acts of 1902, Chapter 325	46,000 00		
City of Cambridge Loan			
Acts of 1908, Chapter 367	400,000 00		
Playgrounds Loan			
R. L., Chapter 27, Sect. 11	95,000 00		
Charles River Basin Assessment			
Acts of 1911, Chapter 463	60,000 00		
		<u>\$5,345,000 00</u>	
The entire Sinking Fund is.....		\$3,996,950 00	
Of this amount there should be de-			
ducted on account of Exempted			
Loans as follows:			
Cambridge Bridge	\$225,783 30		
Harvard Bridge	344,823 59		
Brookline Bridge	3,037 23		
Commercial Ave. Bridge..	6,074 50		
Park	552,641 60		
Improved Sewage	136,040 08		
Hospital	26,713 61		
Metropolitan Park Assess-			
ment	14,806 96		
Cambridge Bridge Special..	7,262 27		
Separate System of Drain-			
age	40,019 80		
City of Cambridge, Acts			
1908	237,202 11		
Cambridge Bridge, B. E. R.	257,500 00		
Playgrounds	9 334 18		
Charles River Basin	16,837 66		
	<u>\$1,868,076 89</u>		
		<u>\$1,323,097 00</u>	
Net City Debt, March, 31,			
1915		\$2,673,853 00	
Borrowing capacity for City purposes, March 31, 1915		\$338,898 22	

1914

Wards	Polls	Personal	Resident Banks	Personal with Banks	Real Estate	Total without Banks	Total with Banks
1	1562	2,227,500	74,085	2,301,985	11,007,300	13,234,800	13,308,885
2	1831	808,900		808,300	3,925,800	4,734,700	4,734,700
3	3063	209,300		209,300	3,755,500	3,964,800	3,964,800
4	2754	1,853,700		1,853,700	8,511,700	10,365,400	10,365,400
5	2630	1,632,300		1,632,300	8,900,000	10,532,300	10,532,300
6	3923	2,676,100		2,676,100	14,330,300	17,006,400	17,006,400
7	3081	1,917,700		1,917,700	8,054,100	9,971,800	9,971,800
8	2225	3,153,500		3,153,500	13,343,200	16,496,700	16,496,700
9	2678	5,841,600	92,610	5,934,210	17,658,300	23,499,900	23,499,900
10	2069	2,046,700		2,046,700	8,568,900	10,615,600	10,615,600
11	2804	521,000		521,000	6,781,300	7,302,300	7,302,300
	28,620	22,888,300	166,695	23,054,995	104,836,400	127,724,700	127,891,395

Ward	Street Watering	Moths
1	2,119 27	21 63
2	1,296 44	34 02
3	1,700 20	59 22
4	2,698 14	154 95
5	2,611 00	302 43
6	3,682 74	176 40
7	3,161 48	235 19
8	3,773 44	447 81
9	5,927 90	610 83
10	3,994 34	471 03
11	3,730 30	419 83
	34,695 45	2,933 34

Wards	Banks	Residents	Non-Residents
1	Lechmere National	74,085	90 915
9	Chas. River National	92,610	117,390
Totals		166,695	208,305

WARRANTS

City	\$2,164,866 38
County	126,152 80
State	230,037 50
Metropolitan Sewer	114,341 14
Metropolitan Parks	62,526 22
Charles River Basin	17,601 33
Charles River Basin on Account of Bridge	25,125 91
Alewife Brook, Etc.	5,182 89
Gas and Smoke	476 58
Total	\$2,746,310 80
Overlay	47,805 053
Total	\$2,794,115 853

SCHEDULE B

No. IX

LIST OF CITY PROPERTY

AS FURNISHED BY

Executive Boards and Heads of Departments

IN

1 9 1 5

LAW DEPARTMENT

LOCATED AT CITY HALL OFFICE

1 rolltop desk and chair	\$25 00
Revised Laws, Public Statutes, etc.	15 00

LOCATED IN OFFICE IN BOSTON, ROOMS 541-2 TREMONT BUILDING

1 Remington Premier typewriter	70 00
1 typewriter desk	10 00
1 Lang document filing cabinet	10 00
1 blank filing cabinet	25 00
1 Yawman-Erbe filing cabinet	50 00
Massachusetts Digest, Dillon on Municipal Corporations, and other law books	150 00
1 sectional bookcase	22 00

\$377 00

PUBLIC PROPERTY DEPARTMENT

CITY BUILDINGS

	Feet of Land	Purchase of Land	Erection of Buildings	Valuation of Land	Valuation of Buildings	Valuation of Furniture
City Hall.....	47,878	1888	1888	\$95,000	\$200,000	\$34,800
Brattle Sq. Bldg.	16,153	1873	1874	24,000	60,000	2,500
Central Sq. Bldg.	13,028	1872	1873	10,500	50,000	2,436
Station 3.....	4,220	1862	1870	1,200	20,000	800
Station 4.....	6,316	1872	1873	5,000	5,300	300
				\$135,700	\$335,300	\$40,836

Voting booth, corner Cambridge and Hampshire Streets	\$500 00
Five portable voting booths	2,500 00
Voting compartments and fixtures (500)	2,500 00
	\$5,500 00

PERSONAL PROPERTY

1 horse	\$150 00
3 robes	32 00
Top buggy	25 00
Sleigh	15 00
	\$222 00

CITY PROPERTY IN USE BY THE POLICE DIVISION OF THE
DEPARTMENT OF PUBLIC SAFETY

17 Roll Top desks	\$205 00	Amount forward	\$3,925 00
11 Tables	22 00	15 Ink stands	5 00
6 Settees	6 00	1 Operating table & chair	25 00
5 Rugs	12 50	12 Mirrors	10 00
4 Medicine cabinets ...	20 00	2 Grappling irons	2 00
4 Book cases	20 00	4 American Flags	20 00
4 Wardrobes	20 00	29 Cuspidors	11 60
4 Umbrella Stands.....	2 00	2 Couches	10 00
7 Directories	31 50	1 Camera stand	2 00
3 Safes	75 00	1 Bertillon Book	1 00
1 Camera	85 00	1 Finger print book	1 00
Trays and graduates...	4 00	1 Rogers gallery	50 00
1 Letter scale	1 00	1 Typewriter	100 00
2 Card indexes	75 00	4 Maps	1 00
1 Copy press	5 00	13 Beds and clothing ...	150 00
3 Patrol wagons	1,050 00	11 Pairs handcuffs	25 00
1 Spare wagon	50 00	1 Pair leg irons	5 00
6 Harnesses	60 00	1 Police Van	100 00
5 Horse blankets	25 00	4 Horses	800 00
3 Horse blankets	1 50	1 Extra Horse collar...	5 00
2 Grain chests	10 00	25 Galv. cans	20 00
5 Horse brushes & combs	2 00	5 Pails	1 25
1 Dictionary	4 00	3 Wagon jacks	3 00
1 Private telephone ...	200 00	75 Feet rubber hose	7 50
157 Revolvers	1,727 00	5 Set Law Books	50 00
12 Waste baskets	12 00	157 Police Belts	157 00
4 Bicycles	40 00	157 Diaries	94 20
1 Straight jacket	1 50	157 Rules & Regulations...	100 00
2 Electric desk lamps..	5 00	157 Patrol Box keys	39 15
13 Blankets (ambulance)	13 00	157 Fire Alarm keys	39 15
3 Stretchers	9 00	157 Police Badges	117 65
1 Set lanterns for auto.	15 00	157 Police clubs	78 50
1 Rubber pillow (auto)	1 50	2 Motor cycles	200 00
60 Chairs	60 00	1 Pulmotor	100 00
7 Clocks	12 50	1 Auto ambulance	1,697 00
6 Ice water tanks	42 00		
	<u>\$3,925 00</u>		<u>\$7,853 00</u>

HEALTH DEPARTMENT

REAL ESTATE

Number	Street	Houses	Sheds	Value of Buildings	Value of Land	Total Value	Area	
59	Reservoir	1	....	\$3.600	\$8,300	\$11,900	sq. ft. 16,624	Taken by Board of Health, Nov. 2, 1899
47	New.....	....	....	....	600	600	sq. ft. 10,800	" " " " " Nov. 21, 1901
51	New.....	....	....	....	900	900	sq. ft. 13,980	" " " " " Oct. 25, 1901
67	New.....	....	....	....	300	300	sq. ft. 6,140	" " " " " Mar. 24, 1902
	Concord Ave	....	....	12,300	4,500	16,800	acres 7.48	" " " " " Feb. 8, 1902
				\$15.900	\$14.600	\$30 500		" " " " " Mar. 24, 1902
								" " " " " Dec. 28, 1901

PERSONAL PROPERTY

In Office:

7 Desks and 2 desk chairs	\$175 00	
Card cabinets and letter files	622 50	
Dictionary and 3 atlases	30 00	
Typewriting machine and desk.....	40 00	
Stationery and sundries	125 00	
Medical Books	10 00	
		<u>1,002 50</u>

In Laboratory:

Microscope	75 00	
Incubator and thermo-regulator	35 00	
Sterilizing oven	2 25	
Centrifuge	22 50	
Test tubes	10 00	
Diphtheria, sputum, and typhoid outfits	25 00	
Laboratory supplies	15 00	
Cards, card cabinet, stamps and stamp rack.....	38 50	
		<u>223 25</u>

At Stable

Horse	\$50 00	
Ambulance	582 00	
Van	90 00	
Buggies nd sleigh	175 00	
Harness	90 00	
Blankets and horse covers	16 50	
Ambulance blankets	36 00	
Disinfecting apparatus and materials	150 00	
		<u>1,189 50</u>

Amount carried forward \$2,415 25

Health Department—Continued

PERSONAL PROPERTY — Concluded

Amount brought forward		\$2,145 25
At Diphtheria Hospital:		
Linen and bedding	\$250 00	
Instruments and nursing utensils	80 00	
Dishes and kitchen utensils	69 00	
General furnishings	427 00	
		826 00
At Contagious Hospital, Concord Avenue:		
Linen and bedding	\$1,200 00	
Instruments and nursing utensils	125 00	
Dishes and kitchen utensils	250 00	
General furnishings	1,100 00	
		2,675 00
		\$5,916 25

INSPECTOR OF MILK AND VINEGAR DEPARTMENT

PERSONAL PROPERTY

16 platinum dishes	\$286 72	
1 cream seal	7 50	
1 drying oven	6 00	
1 Zeiss refractometer	75 00	
Chemicals and glassware	25 00	
Water bath	22 00	
Electric centrifuge	88 00	
Polariscope	55 00	
Analytical balance and weights	60 00	
Muffle furnace	5 00	
Busner stand	15 00	
Office furniture	50 00	
Discarded apparatus	20 00	
1 high-speed centrifuge	43 50	
1 autoclave and fittings	115 00	
1 milk-collecting outfit	15 00	
Apparatus for plating bacteria:		
6 tube holders	\$6 00	
1 bath for melting agar	2 00	
1 bath, water-jacketed, for melting agar	5 00	
2 racks for test tubes	3 00	
2 Petri dish holders	2 00	
		18 00
Petri dishes and glassware:		
2 doz. pipettes	\$1 66	
2 doz. Petri dishes	2 17	
2 doz. Petri covers	1 17	
Counting glass	1 00	
		6 00
Intermission refractometer	100 00	
		\$982 72

THE MODIFIED MILK ENTERPRISE

9 stock pots	\$19 52
30 galvanized iron racks	97 73
28 wooden cases	20 59
5 baby scales	10 85
2 gas stoves	4 50
3 boilers	13 50
1 bottle filer	26 85
7 tables	7 00
Stoppers and bottles	86 40
Index cards	3 00
1,000 pamphlets	16 45
Signs	10 00
Barrell	1 75
1 galvanized iron sterilizing closet	54 00
1 Ice Box (milk cooler)	40 00
	<hr/>
	\$412 14

CAMBRIDGE CEMETERY

57.576 acres of land	\$92,000 00
1 office building	2,500 00
1 house	2,500 00
1 stable and shed	1,000 00
Personal property	3,500 00
Steel storage shed	600 00
	<hr/>
	\$102,100 00

WEIGHTS AND MEASURES DEPARTMENT

Inventory of Property

Standards furnished by the Commonwealth

- 1 Balance—5 grains to 100 lbs.
- 1 Set (5) Avoirdupois Weights, 50-lb., 25-lb., 10-lb., 5-lb.
- 1 Set (11) Avoirdupois Weights, 4 lb. to 1-16 oz.
- 1 Kilogramme in case.
- 1 Steel Meter in case.
- 1 Brass Yard Measure.
- 1 Set (5) Iron Dry Measures, 1-2 bush. to 1 quart.
- 1 Set (6) Iron Liquid Measures, 1 gallon to 1 gill.

OFFICE FURNITURE

- | | |
|----------------------|------------------------------|
| 1 Roll Top Desk. | 1 Sink. |
| 1 Black Walnut Desk. | 5 Mats. |
| 5 Chairs. | 1 Set Revised Laws. |
| 1 Table. | 1 Set Card Records—Oak Case. |
| 1 Clothes Press. | 1 Set Card Index—Oak Case. |
| 1 Scale Cabinet. | 1 Hektograph. |
| 1 Wooden Cabinet. | 1 Letter Press. |
| 2 Benches. | 1 Blotter Bath. |

WEIGHTS AND MEASURES DEPARTMENT—Continued

MISCELLANEOUS

Miscellaneous books	\$200 00
1 Bay Horse	225 00
1 Express Wagon	100 00
1 Light Wagon	85 00
1 Pung	23 00
2 Harnesses	70 00
3 Plush Robes	24 00
1 Stabe Blanket	2 00
1 Rain Blanket	2 00
1 Woolen Blanket	8 00
1 Halter	75
1 Hitch Weight	50
1 Balance Scale	88 69
1 Platform Scale, 1-2 to 2,500 lbs.	75 00
1 Folding Platform Scale 1-4 lb. to 600 lbs.	30 00
1 Balance, 1-10 milligramme to 500 grammes	35 00
1 Balance, 1-50 grain to 1-2 lb.	15 00
1 Sealer's Balance, 1 grain to 100 lbs.	150 00
2 Leather tool bags	9 50
1 Sealer's Balance, 1 grain to 8 lbs.	50 00
2 Sealer's Trip Scales (not used)	5 00
1 Spring Scale, 1 lb. to 125 lbs.	1 00
2 Sets (19) Avoirdupois Weights, 4 lbs. to 1-8 oz.	10 00
1 Set (9) Troy Weights, 16 oz., to 1-8 oz.	3 00
1 Set (13) Metric Weights, 1 kilo to 1 gramme	5 00
5 Boxes Miscellaneous Weights (not standardized)	10 00
1 Set (3) Iron Weights, 25-lb., 10-lb., 5-lb.	5 00
40 50-lb. Weights	100 00
1 Arch	2 00
3 Glass Graduates	1 00
1 Ford Automobile	495 40
4 Set Apothecary Weights	26 00
1 Set (21) Grain Weights, 1,000 gr. to 1-1000 gr.	13 50
1 Set (21) Metric Weights, 50 gram to 1-10	13 50
1 Set (5) Copper Dry Measures, 1-2 bushel to 1 quart	45 00
1 Set (3) Brass Dry Measures, 1 quart to 1-2 pint	5 00
2 Sets (14) Copper Liquid Measures, 1 gal. to 1 gill	30 00
1 Yard Measure	1 50
1 Iron Truck	5 00
1 5-gal. Copper Measure	15 00
1 Steel Tape	10 00
1 Pair of Inside Calipers	3 50
1 Set Brands	3 00
1 Plumber's Furnace	5 00
Miscellaneous Tools	50 00
1 Wagon Scale (Lechmere Square)	400 00
1 Wagon Scale (Porter Road	400 00

 \$2,856 84

CITY HOME STATE

Thirty-two acres land bought August 7, 1849.

Present City Home completed and placed under the care of the Overseers of the Poor, April 3 1851.

Land cost	\$12,000 00
City Home cost	32,970 69
Fences, furniture, etc., cost	3,000 00
Total	<u>\$47,970 69</u>

Hospital cottage on City Home grounds built in 1886, moved and rebuilt in 1901, cost	2,800 00
Two-story brick building erected 1888, cost	5,600 00
Land situated in Cambridge	14 242-1000 acres
Land situated in Somerville (11-2 taken by State)	*4 454-1000 "
Lands (salable) on plan of April 10, 1884:	
30 lots of 5,000 feet each (in Somerville)	3 443-1000 "

Total acres of land24 139-1000 acres

About seven acres of City Home land lying south of Broadway in West Somerville have been sold for house lots. The remaining lots (30) contain 150,000 square feet, and have been held at a valuation of four cents per square foot, but at the present time are assessed for about ten cents.

The valuation of the City Home real estate by the assessors is:

Land in Cambridge	\$21,000 00
Buildings in Cambridge	25,000 00
Land in Somerville	26,150 00
Buildings in Somerville	3,200 00
Total	<u>\$75,350 00</u>

INVENTORY OF PERSONAL PROPERTY AT CITY HOME

April 1, 1915

Bookkeeping account books, stationery, etc.	\$150 00
Drugs, medicines and hospital supplies	400 00
Drv goods, clothing, bedding, furniture, carpets, etc.	5,000 00
Groceries and provisions	250 00
Farm and Stable:	
2 horses, 120 fowls, 630 hot bed sashes, 260 straw mats, 230 shutters, 5 wagons, 1 pung, 1 carriage, 1 sleigh, 5 harnesses farming implements, tools, fertilizer, etc.	3,600 00
Total	<u>\$9,400 00</u>

INVENTORY OF PERSONAL PROPERTY AT OVERSEER'S OFFICE, CENTRAL SQUARE BUILDING, April 1, 1915

Office furniture, filing cases, bookcases, typewriter, books, stationery, etc.	\$700 00
City Physician's office—Instruments, microscope, operating table, furniture, medicine, etc.	350 00
Total	<u>\$1,050 00</u>

ENGINEERING DEPARTMENT

PERSONAL PROPERTY

7 books, at \$3.	\$21 00
45 vols. engineering papers, at \$2.50	112 50
5 logarithm books	5 00
1 pantagraph	10 00
2 planimeters, at \$20	40 00
1 neostyle	5 00
2 numbering machines, at \$5	10 00
1 typewriter	50 00
Drawing instruments, pens, compasses, etc.	50 00
Drawing materials and paper	15 00
Wye level	50 00
Dumpy level, \$40 hand level, \$5	45 00
2 transits, at \$100	200 00
Level, line and sounding rods	45 00
5 tapes	10 00
Testing pans, moulds, etc.	10 00
Testing machinery	25 00
Electric motor	4 50
Furniture in office	200 00
Photograph outfit	25 00
Rain gauges, standard and self-recording	75 00
Plans (estimated value), 12,272 at \$10	122,720 00
466 field, survey, line and level books, estimated value \$20.....	9,320 00
60 house books, estimated value \$10	600 00
Total	\$132,648 00

SEWER DEPARTMENT

REAL ESTATE

Location	Buildings	Erection of Buildings	Purchase of Land	Feet of Land	Assessors' Valuation of Land	Assessors' Valuation of Buildings	Total
Pilgrim Street	Stable....	1887	[77]				
		1881					
" "	Sheds....	1884					
		1892					
" "	House....	1890	1868	23,707	\$5,900 00	\$5,600 00	\$11,500

SEWERS

154.652 miles of sewers, which have cost to construct..... \$2,386,411 78

PERSONAL PROPERTY

2 buggies	\$75 00
4 carts	400 00
Amount carried forward	\$475 00

SEWER DEPARTMENT — Concluded

Amount brought forward	\$475 00
1 cart	\$50 00
1 tip cart (4 wheel)	25 00
2 tip carts	50 00
1 wagon	30 00
1 dray	50 00
1 derrick (4 leg)	10 00
1 hoisting engine	150 00
1 gasoline engine	50 00
6 sets harness and horse clothing	90 00
3 horses	600 00
1 pile driver and 2 hammers	100 00
4 hand pumps and hose	100 00
1 centrifugal pump	20 00
1 street roller (horse)	75 00
Rubber goods (miscellaneous)	7 50
Rubber boots	90 00
1 sewer cleaning machine "Healy"	300 00
3 sleighs	30 00
Tool houses, etc.	60 00
1 trench machine "Carson"	50 00
1 automobile, "Velie" 1910 model	200 00
1 Ford automobile, 1914 model	350 00
Lanterns and globes	19 25
Tools and implements	500 00
Stock on hand, bricks, castings, lumber, pipe, etc.	500 00
400 feet flushing hose	292 00
Total	\$4,273 75

STREET DEPARTMENT

INVENTORY OF REAL AND PERSONAL PROPERTY

REAL ESTATE

Location	Buildings and Land	Erection of Buildings	Purchase of Land	Feet	Valuation of Land	Valuation of Buildings
Raymond St..	City Yard and Stable, stable, sheds, scales, etc.	1897	1896	272,670	\$27,000	\$27,000
	Incinerator Plant	1912	.....	.....	.....	5,500
Hampshire St.	City stable, sheds, stables and scales, including old police station	1885	.....	72,661	30,000	16,000
E. S. Norfolk St	Yard and pound .....	.....	.....	34,650	10,400	.....
River St.....	Yard and wharf .....	.....	.....	41,546	17,000	.....
Acton, Mass..	Land, gravel bank .....	.....	1896	.....	3,000	.....
Main St.....	Land and Incinerator plant.	1908	.....	93,424	31,900	18,000
Tannery St...	Land and stables, sheds, etc	.....	.....	.....	6,000	4,000
					\$125,300	\$70,500
Total valuation of real estate.....					\$195,800 00	

STREET DEPARTMENT — Continued

PERSONAL PROPERTY

98 horses	\$29,000 00	
27 watering carts	5,400 00	
68 single and double carts	5,000 00	
118 sets harness	2,000 00	
1 concrete mixer	900 00	
3 automobiles	1,300 00	
1 bicycle	50 00	
4 steam rollers	11,500 00	
1 scarifier	450 00	
11 Shadbolt carts	3,000 00	
2 Watson carts	400 00	
50 feet straight edgestone	27 00	
150,000 second-hand granite blocks	3,000 00	
1,000 sidewalk bricks	15 00	
300 feet granite flagging	150 00	
100 tons field stone	75 00	
500 tons crushed stone	500 00	
Oil storage, Raymond Street	1,000 00	
Stone crushing plant, Raymond Street	5,000 00	
Stone crushing plant, Hampshire Street	5,000 00	
Furnace and boiler, Main Street, Incinerator	9,000 00	
Miscellaneous machinery	500 00	
Miscellaneous tools, road machines brooms, scrapers, machine brooms, waste barrels, push carts, etc.	10,000 00	
Miscellaneous buggies, wagons, pungs, plows, etc....	5,000 00	
Miscellaneous, grain, hardware, paints, ltather, and general hardware	1,500 00	
		99,767 00
		<u>\$295,567 00</u>

STREET LIGHTING

Equipment

298 lamp posts	\$2,980 00
Office furniture	275 00
Automobile	500 00
	<u>\$3,755 00</u>

BRIDGE DEPARTMENT

PERSONAL PROPERTY

CAMBRIDGE AND BOSTON BRIDGES

Harvard Bridge	\$750 00
Prison Point Bridge	940 00
North Harvard Bridge	40 00
River Street Bridge	500 00
Cambridge Bridge	100 00
	<u>\$2,330 00</u>

SCHOOLHOUSES

	Feet of Land	Purchase of Land	Erection of Buildings	Valuation of Land	Valuation of Buildings
Agassiz	19,689	1874	1875	\$8,000	\$18,000
Boardman	10,018	1866	1868	4,000	13,500
Bridge	4,646	1836	1836	1,400	.....
Corlett	10,000	1880	1880 Purchased	2,500	2,500
Cushing	14,787	1880	1880 Purchased	2,800	.....
Ellis	25,700	1897	1898	6,000	50,000
Felton	15,090	1847	1848	5,000	10,000
Fletcher	24,364	1902	1903	7,400	70,000
Gannett	15,434	1876	1886	4,000	12,000
Gore	9,900	1871	1871	4,000	36,000
Harvard	20,494	1870	1871-1899	12,000	65,000
High	74,366	.....	1891	44,425	220,000
Houghton	20,306	1904	1904-1905	8,100	90,000
Kelley	25,536	1900	1902	10,000	80,000
Latin	79,579	1894	1897	47,575	225,000
Lowell	12,033	1883	1883	3,600	7,000
Merrill	37,828	1864	1864	19,000	45,000
Morse	25,650	1889	1890	7,000	73,000
Parker	12,319	.....	1893	7,000	15,000
Peabody	21,813	1887	1888-1898	10,900	68,000
Putnam	14,400	1825	1889	12,000	65,000
Reed	12,000	1868	1868	1,200	4,000
Rindge Technical	97,128	.....	1887	60,000	141,000
Roberts	16,400	1898	1898	7,200	48,000
Russell	33,073	1895	1896	8,500	40,000
Shepard	14,755	1855	1856 1873	10,000	20,000
Sleeper	21,284	1894	1894	5,000	29,000
Tarbell	19,500	1878	1882	4,900	10,000
Taylor	25,278	1894	1895	7,100	36,000
Thorndike	41,273	1911	1912	15,000	120,000
Webster	25,839	1866	1873-1885	9,000	140,000
Wellington	27,673	1875	1884	9,20	133,000
Willard	20,079	1869	1870	5,000	25,000
Wyman	14,347	1871	1871-1886	4,000	6 000
				\$371,900	\$1,917,000

SCHOOL DEPARTMENT

PERSONAL PROPERTY

Text-books	\$44,665 27
Desk and reference books	1,816 15
Apparatus and furnishings and machinery	22,604 48
Furniture and furnishings	116 880 61
Stock on hand in storeroom	7,817 02
	<hr/>
	\$193,783 53

PUBLIC LIBRARY
REAL AND PERSONAL ESTATE

141,666 feet of land, as per assessors' books	\$85,000 00	
Library building, as per assessors' books	145,000 00	
		\$230,000 00
Estimated valuation of books in the library	\$78,000 00	
Estimated valuation of interior furnishings	8,000 00	
Estimated valuation of books in the East Cambridge Branch Library	3,000 00	
Estimated valuation of furnishings in the East Cam- bridge Branch Library	800 00	
Estimated valuation of books in the North Cambridge Branch Library	4,000 00	
Estimated valuation of interior furnishings in North Cambridge Branch Library	1,400 00	
Cambridgeport Branch Books	2,000 00	
Cambridgeport Branch Furnishings	1,000 00	
		98,200 00
		\$328,200 00
<p>The lot (about 590 x 240 feet) occupied by the library building is bounded by Broadway, Irving, Cambridge and Trowbridge streets. The land and building were presented to the City of Cambridge by Mr. Frederick H. Rindge in June, 1889, on the completion of the building, which was begun in the autumn of 1887. In 1894 a wing was added to the building at a cost to the city of \$20,000, and in 1902 an addition to the stack was made at an expense of about \$30,000.</p>		
<p>The trustees of the library also hold the following funds, invested in the bonds of the City of Cambridge:</p>		
Fay Fund, schoolhouse loan bond, No. 254, due 1st August, 1918, at 3 1-2 per cent.		\$1,000 00
Cummings Fund, sewer loan bond, No. 1102, due 1st July, 1939, 3 1-2 per cent.		2,000 00
Citizens' Subscription Fund, invested as follows:		
Sewer loan bond, No. 1150, due 1st May, 1940, 4 per cent.	\$5,000 00	
Sewer loan bond, No. 47, due 1st October, 1925, 4 per cent.	500 00	
		5,500 00
William E. Saunders Fund, invested as follows:		
Building loan bond, No. 544, due 1st April, 1923, 3 1-2 per cent.	\$3,000 00	
Street loan bond No. 545, due 1st April, 1923, 3 1-2 per cent.	4,000 00	
Deposited in Cambridgeport Savings Bank	542 97	
		7,542 97
James A. Woolson Fund, invested as follows:		
City of Cambridge Park loan bond, No. 701, due 1st of April, 1945, 3 1-2 per cent.		5,000 00
Edward H. Whorf Fund, invested as follows:		
3 American Tel. & Tel. Co. bonds, Nos. 9755, 56 57, due July 1, 1929, 4 per cent.		3,000 00
William Penn Harding Fund, invested as follows:		
Deposited in East Cambridge Savings Bank, Book No. 58,916		1,000 00
Mehitable C. C. Wilson Fund:		
Deposited in Harvard Trust Savings Bank		567 91
Total		\$25,610 88

PARK DEPARTMENT

LAND

River Parkway:	Square Feet	Value
Section A	395,174	\$592,761 00
" B	859,000	2,013,750 00
" C	583,082	174,924 60
" D	1,668,709	200,245 08
" E	77,101	77,101 00
" F	605,084	450,000 00
" G	699,948	560,000 00
" H	62,858	31,500 00
Cambridge Field	528,154	264,000 00
Rindge Field and Nursery	501,729	100,000 00
East Cambridge Embankment	349,828	174,000 00
Commons and Squares:		
Garden Street, Massachusetts Avenue and Waterhouse Street	370,784	370,000 00
Massachusetts Avenue, Kirkland Street and Cambridge Street	33,357	66,000 00
Massachusetts Avenue and Peabody Street.....	23,073	46,000 00
Massachusetts Avenue and Holmes Place	20,956	42,000 00
Massachusetts Avenue and Waterhouse Street....	13,180	13,000 00
Broadway Common	107,181	54,000 00
Fort Washington	42,123	10,500 00
Dana Square	33,531	12,000 00
Hastings Square	30,000	10,500 00
Langdon Square	3,760	.....
Winthrop Square	11,565	23,000 00
Arsenal Square	3,189	3,100 00
Pleasant and River Streets	1,569	1,200 00
Pleasant Street and Western Avenue	1,372	1,000 00
Massachusetts Avenue and Arrow Street	872	1,700 00
Harvard Street near Prospect Street (Stearns Schoolhouse Lot)	10,050	5,000 00
Longfellow Park	93,618	56,000 00
Washington Elm	886	960 00
Total		\$5,354,241 68
Buildings		122,100 00
Equipment		3,600 00
		<hr/> \$5,479,941 08

CITY PROPERTY

NOT USED BY ANY DEPARTMENT

	Assessors' Value
13,690 square feet northwest corner Main and First Streets	\$17,200 00
Total	<hr/> \$17,200 00

PLAYGROUNDS AND EQUIPMENT

LAND

	Square Feet	Valuation
Russell Field	888,410	\$29,500 00
Houghton	11,804	3,100 00
Peabody	15,438	3,096 00
Morse	13,650	4,100 00
Wellington	8,144	2,800 00
Fletcher	10,187	3,100 00
Sleeper	15,350	2,500 00
Sargent and Fresh Air Lots	20,291	8,000 00
Thorndike Field	136,821	41,100 00
Mill Pond	119,066	36,100 00
Ward 10 Playground.....	95,657	19,300 00
		<hr/>
		\$152,696 00

EQUIPMENT

To March 31st, 1915.....	<hr/>	50,453 36
Total		\$203,149 36

SCHEDULE B

No. X

EXEMPTED PROPERTY

The following is a schedule of property used for religious, charitable and educational purposes, and exempt from taxation by law, including property owned by the County of Middlesex, not including that owned by the City of Cambridge, as shown on the Assessors' Books, March 31, 1915:

RETURN OF PROPERTY EXEMPTED FROM TAXATION IN THE CITY OF CAMBRIDGE

Name of Corporation	Description of Property	Valuation	
		Real Estate	Personal
Avon Home	Building	\$50,000 00	\$180,330 64
Baptist Home	House and Stable	21,500 00	6,851 33
Bethesda Society			52,683 39
Bigelow, Melville M. and others, Trustees of the Ep- worth Methodist Episcopal Church of Cambridge.....	Part of House	2,000 00	
Bishop, Leverett, J. Welling- ton Bears, Hector McDon- ald, Geo. McDougall and Wm. C. Abbott, trs., for the Church of Scotland, unat- tached and Geo. A. Rich- ards for tax. bill to Geo McDougall	Church	4,600 00	
Board of Extension of the Church Extension Society of the African Methodist Episcopal Church	Church	8,900 00	
Broadway Baptist Church ...	Church	38,000 00	
Brown John S. Prescott, Evarts and Samuel G. Bab- cock, Trustees of St. Bar- tholomew's Church Chapel in Cambridge	Church Building	14,700 00	
Browne and Nichols School, Inc.	Buildings Lot	83,500 00	8,735 79
Buckingham School, The	Schoolhouse	17,100 00	7,175 65
Burton, Joseph S. and Edwin J. Scheffield and Chas. A. Swinerton, Trustees	Lot	3,900 00	
Cambridge and Somerville Hebrew Ladies' Education- al Institute	House	4,400 00	150 00
Cambridge and Somerville Hebrew Literary Ass'n ...	Building	16,000	400 00
Cambridge Homes for aged people	Building	110,000 00	193,669 71
Cambridge Hospital	Buildings	362,000 00	353,819 31
Cambridge Relief Hospital ..	2 Houses	14,800 00	3,060.96
Cambridge School for Girls .	Buildings and lot	34,200 00	6,684 35
Cambridge Social Union	House and Hall	25,500 00	1,500 00
Cambridge Visiting Nursing Ass'n.	House	9,500 00	11,498 32
Cambridge Young Men's Christian Ass'n.	Building	235,000 00	25,764 76
Cambridge Young Women's Christian Association	Building	89,700 00	33,481 75
Christ Church Episcopal	Church and House	69,200 00	
Church of the Ascension	Church	9,000 00	

Exempted Property—Continued

Name of Corporation	Description of Property	Valuation	
		Real Estate	Personal
Columbus Day Nursery of Cambridge	House	4,300 00	935 54
Congregation of Agaduth Ashkenazino of Cambridge.	Buildings	8,700 00	1,000 00
Congregation of Beth. Israel of Cambridge	Synagogue	17,600 00	
Corporation of the new Church Theological School,	Buildings	108,800 00	172,472 00
Corporation of the St. Stephens Baptist Church and Union Institution for Savings in the city of Boston, mtgee in possession	Church	11,000 00	
East End Union Mission Church	Church	6,000 00	
Episcopal Theological School, Trustees of	Buildings	402,900 00	686,853 98
Epworth M. E. Church	Church	87,200 00	
First Baptist Church	Church	100,000 00	
First Church of the Evangelical Ass'n of N. America.	Church	7,900 00	
First Evangelical Congregational Society	Church	52,000 00	
First Parish Church, Unitarian	Church	160,800 00	
First Pentacostal Church of the Nazarene. of Somerville	Lot	1,600 00	
First Reformed Presbyterian Church of Cambridge	Church	9,600 00	
First Sweedish Baptist Church of Cambridge	Church	8,200 00	
First Universalist Society of Cambridge	Church	31,300 00	
First United Presbyterian Church of Cambridge	Church	11,100.00	
Grace M. E. Church	Church	20,000 00	
Harvard Lampoon Club			5,312 00
Harvard St. M. E. Society ..	Church	30,000 00	
Holy Ghost Hospital for Incurables	Hospital	179,200 00	8,300 00
Inmanuel Baptist Church ...	Church	28,000 00	
Lamson Home, The	House	7,000.00	10,215 89
Longfellow Memorial Ass'n..			12,575 49
Marist Fathers of Boston ...	Buildings and Land	71,200 00	1,500 00
Mass. Association for promoting the interests of the Adult Blind	Buildings	15,900 00	13,520 09
Mass. Ave. Bavgist Church and Harlow Rogers for apportioned sewer assessment and Harlow Rogers for tax	Church	20,500 00	

Exempted Property—Continued

Name of Corporation	Description of Property	Valuation	
		Real Estate	Personal
Mass. Baptist Convention			
Union Baptist Church	Church	18,400 00	
Mass. College of Osteopathy.	House	32,500 00	2,500 00
Massachusetts, Commonwealth	Parks and buildings	647,600 00	
Massachusetts, Commonwealth of and City of Cambridge for tax	Lot	3,000 00	
Massachusetts, Commonwealth of and Mary M. Maguire for tax	Meadow	18,500 00	
Massachusetts, Commonwealth of and Willard Welsh for Sidewalk Assessment and for tax	Lot	900 00	
Mass. Institute of Technology	Lot	1,410,300 00	
Middlesex, County of	Buildings	1,369,500 00	50,000 00
Mt. Auburn Cemetery Corp..		50,000 00	
North Ave. Baptist Church ..	Church	78,500 00	
North Ave. Congregational Society	Church	43,600 00	
Old Cambridge Baptist So- ciety	Church	171,000 00	
Pilgrim Congregational Church	Church	39,300 00	
President and Fellows of Harvard College	Buildings	10,042,200 00	21,485,736 96
Prospect Union Ass'n	Buildings	44,800 00	13,258 00
Radcliffe College	Buildings	852,600 00	1,491,217 11
Refuge in the City of Boston.			71,636 32
Robinson, Fred O., Stephen E. Jeffrey, Everett F. Annis, Charles W. Rogers. William Wilkins, Robert B. Brown and Edward R. Markham, Trustees	Church	13,700 00	
Roman Catholic, Archbishop of Boston	Buildings	602,400 00	
Rush African M. E. Zion Church and Robert Miller for watering tax	Church	7,100 00	
Sacred Heart School Ass'n of Cambridge	Buildings	162,500 00	4,170 00
St. John's Literary Inst.	Building	24,700 00	4,800 00
St. Mary's Parochial School .	Buildings	313,100 00	5,000 00
St. Paul's Roman Catholic Church	Buildings	90,000 00	
St. Peter's Parish Hall Corp.	Buildings	64,600 00	1,000 00
St. Philip's Episcopal Church	Church	4,300 00	
Salvation Army of Mass. ...	Building	12,700 00	200 00
St. Paul's Catholic School Ass'n	Building	140,200 00	4,000 00
Shepard Congregational So- ciety	Church	144,000 00	

Exempted Property—Continued

Name of Corporation	Description of Property	Valuation	
		Real Estate	Personal
Stratton, Chas. F.; Allan K. Sweet and Edwin S. Chapin, Trustees of Riverside Alliance	Building	7,100 00	511 25
Swedish Evangelical Missionary Church of Cambridge ..	Church	26,600 00	
Sweedish Evangelical Lutheran Church of Cambridge ..	Church	18,100 00	
Third Congregational Society in Cambridge	Church	42,200 00	
Third Universalist Society ...	Church	44,800 00	
Trinity Methodist Episcopal Society	Church	41,300 00	
Trustees of the Andover Theological Seminary	Building	305,000 00	791,848.20
Trustees and Donations to the Protestant Episcopal Church in the Diocese of Mass. ...	Church	19,200 00	
Trustees and Donations to the Protestant Episcopal Church	Church and Chapel	96,200 00	
Wheelwright, John T. and Roger L. Scaife and Arthur H. Weed, Trustees	Lampoon Building	12,000 00	
Wood Memorial Church, Congregational	Church	34,700 00	
		<u>\$19,673,500 00</u>	<u>\$25,724,369 09</u>

RECAPITULATION

	Real Estate	Personal
Literary	\$12,725,300 00	\$24,704,389 53
Scientific	1,442,800 00	2,500 00
Charitable	786,900 00	854,038 41
Benevolent	331,800 00	112,441 15
Religious	2,297,200 00	1,000 00
Miscellaneous	2,089,500 00	50,000 00
	<u>\$19,673,500 00</u>	<u>\$25,724,369 09</u>
Real Estate	\$19,673,500 00	
Personal	25,724,369 09	
	<u>\$45,397,869 09</u>	

REPORT OF THE CITY TREASURER

CITY OF CAMBRIDGE, MASS.,

Office of the City Treasurer. April 1, 1915.

To the Honorable, the City Council:

As directed by the ordinances, I herewith submit a report of the receipts and expenditures of the public funds by the treasury department during the year ending March 31, 1915, including an account of bonded and temporary loans negotiated during the said year, also a detailed account of all fees received. An account of all trust funds of which the City Treasurer is custodian is also appended.

Very respectfully,

HENRY F. LEHAN,

City Treasurer.

City of Cambridge in Account from April 1, 1912, to

Dr.

To authorized payments charged to city accounts:—

Assessments:—

Street Sprinkling	
Taxes, 1913—Abatements	\$12 72
Taxes, 1914—Abatements	119 58

Moth Extermination:—

Taxes, 1913—Abatements	2 32
Taxes, 1914—Abatements	17 10

Cemetery Department:—

Deed Account	140 00
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Trustees of Cemetery Fund:—

Perpetual Care	3,217 50
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Damages to Persons and Personal Property	860 00
Interest	357,105 42
Interest on Water Loan	111,132 75
Licenses	98 20

Loan—Temporary	895,000 00
Water Serial	19,000 00
Clay Lands	17,000 00
Building Serial	123,500 00
School House Serial	3,250 00
Street Serial	40,800 00
Park Serial	2,000 00
Municipal	1,500 00
Serial—School Teachers' Salary Increase.....	8,000 00
Sewer Serial	500 00

Sinking Fund Account:—

Brookline Bridge	333 33
Cambridge Bridge	12,184 67
Cambridge Bridge Special	616 00
Commercial Avenue Bridge	666 67
Harvard Bridge	8,800 00
Clay Lands	935 00
Hospital—Acts of 1905	5,625 00
General Account	161,469 50
Sewer—Seperate System	5,874 00
Charles River Basin	5,400 00
Land for Playgrounds	2,090 00
City of Cambridge, Acts of 1908	36,000 00
Metropolitan Park	1,012 00
Parks	25,666 66
Sewer—Improved System	8,778 00
Water	87,255 00

Tax Lien Account	12,175 26
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Amount carried forward \$1,958,136 68

March 21, 1915 (inclusive) with Henry F. Lehan, City Treasurer.

Cr.

Assessments:—

Sewers	\$2,172 23
Sidewalks	5,763 28

Street Sprinkling:—

Taxes, 1912	589 76
Taxes, 1913	3,258 31
Taxes, 1914	29,586 58

Moth Extermination:—

Taxes, 1912	24 96
Taxes, 1913	203 92
Taxes, 1914	2,478 71

Boston and Cambridge Bridges	2 10
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Building Department:—

Permits	646 00
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Cemetery Department:—

Burials, etc	12,570 31
Deed Account	140 00
Sales of Lots and Graves	8,556 00
Trustees of Cemetery Fund:—	
Perpetual Care	3,217 50

City Clerk's Department:—

Fees	1,450 50
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City Messenger's Department:—

Postage and Stationery	1,622 26
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Collection Expenses:—

City Clerk	15 85
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Electrical Department:—

Street Lighting	1,888 00
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Fire Department	19 25
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Health Department	20,545 88
Modified Milk	523 02

Interest	26,220 38
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Interest on Water Loan	95 00
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Law Department	1,005 13
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Libraries—Fines	1,015 43
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Licenses	6,211 30
Dogs	3,263 42

Loan—Temporary	1,145,000 00
Water Serial	45,000 00

Amount carried forward	<u>\$1,323,085 08</u>
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City of Cambridge in Account from April 1, 1914, to

Dr.

Amount brought forward \$1,958,136 68

Taxes:—

County	126,152 80
State	230,037 50
Metropolitan Sewer	114,341 14
Metropolitan Parks	62,526 22
Charles River Basin	17,601 38
Charles River Basin on Account of Bridge	25,125 91
Alewife Brook	5,182 89
National Bank	4,448 86
Abatement—Smoke Nuisance	476 58
Penalty (Overseers of the Poor)	54 00
1912—Refund	24,771 82
1912—Abatements	71 40
1913—Rebate	1,290 68
1912—Abatements	5,957 04
1914—Refund	355 10
1914—Abatements	38,953 00

Taxes:—

1909 .....	.50
1910	4 50
1911	1 00
1912	147 32
1913	2,503 93
1914	899 60

Water Department:—

Abatements	3,353 21
Refunds	2,138 07
Maintenance	24,810 79

Drafts:—

Regular	1,958,048 01
Specials	688,047 97

Cash \$5,357,442 56

Total \$10,652,920 46

March 21, 1915 (inclusive) with Henry F. Lehan, City Treasurer.

Cr.

Amount brought forward	\$1,323,085 08
School House Serial	65,000 00
Sewer Separate System Serial	45,000 00
Street Serial	240,000 00
Bridge Serial	8,000 00
Park Serial	30,000 00
Hospital Serial	60,000 00
Memorial Flag Staff	363 50
Municipal Hospital	68 00
Municipal Buildings	717 00
Overseers of the Poor:—	
City Home	417 57
City Home Hospital	209 99
City Farm	3,441 39
Out-door Relief	16,820 82
House Offal	9,578 01
Park Department:—	
Construction	500 00
Baths	704 52
Moth Extermination	87 33
Maintenance	46 83
Playground	232 75
Cambridge Field	252 50
Rindge Field	134 14
Russell Field	193 46
Police Department:—	
Public Safety	25 00
Court Fines	3,130 11
Premium on City Bonds	2,582 04
Premium on Water Bonds	976 50
Sale of Public Property	5,855 00
School Department	13,861 15
Thorndike Baths	79 57
Sealer of Weights and Measures	855 31
Sewer Department:—	
Maintenance	61 78
Construction	13 46
Rent of Land—Harvard College	2,400 00
Sinking Fund Account:—	
Commissioners of	165,000 00
State Aid	11,446 00
Street Department:—	
Incinerator	900 00
Amount carried forward	\$2,012,038 81

City of Cambridge in Account from April 1, 1914, to

Dr.

Amount brought forward \$2,012,038 81

Cash	5,357,442 56
	<hr/>
	\$7,369,481 37

March 21, 1913 (inclusive) with Henry F. Lehan, City Treasurer.

Cr.

Amount carried forward	\$2,012,038 81
Street Department:—	
Maintenance and Repairs	2,935 20
Sidewalk Repairs	1,483 88
Sprinkling	113 28
House Offal	2,911 31
Tax Lien Account	7,725 01
Taxes:—	
National Bank	15,408 17
Tax Corporation	159,913 74
Street Railway	63,012 14
1909—Polls	2 00
1910—Polls	14 00
1911—Polls	6 00
1912—Polls	302 00
Personal Estate	1,328 04
Real Estate	35,817 46
1913—Polls	10,356 00
Personal Estate	21,585 78
Real Estate	207,592 41
1914—Polls	28,594 00
Personal	458,098 03
Real	1,891,366 27
TREASURY DEPARTMENT	4,763 25
WATER DEPARTMENT:—	
Rates	415,122 52
Construction general	5,020 24
Detector Meters	451 28
Fourth of July Celebration	250 00
CASH	5,295,552 90
CITY OF CAMBRIDGE	11,066 74
Total	\$10,652,920 46

**TEMPORARY LOANS IN ANTICIPATION OF TAXES NEGOTIATED DURING
THE YEAR ENDING MARCH 31, 1914.**

Date	Maturity	Amount	Discoounted at 3.20 per annum.
*April 1, 1914..	July 1, 1914....	\$250,000 00	
May 9, 1914....	Oct. 13, 1914...	250,000 00	305. \$5 premium.
June 23, 1914..	Oct. 15, 1914...	250,000 00	3 per cent.
Sept. 12, 1914.	Nov. 10, 1914...	60,000 00	6 per cent.
Sept. 25, 1914..	Jan. 24, 1915...	85,000 00	5.50
Feb. 2, 1915...	Aug. 2, 1915...	250,000 00	279
		1,145,000 00	

*Borrowed on 1913 Tax Levy.

With the exception of the loan for \$250,000 negotiated Feb. 2, 1915, and maturing Aug. 2, 1915, all of the above loans were paid before the close of the financial year.

PARTICULARS CONCERNING BONDS NEGOTIATED DURING THE YEAR ENDING MARCH 31, 1915.

Date of Bonds	Amount	Loan	Years to run	Rate	Purchaser	Price paid
1914						
July 21...	\$30,000	Sewer Sep. System.....	1000 annually for 30 years.	4	Millett, Roe & Hagan	102.17
July 21...	45,000	Water	1500 annually for 30 years.	4	"	102.17
July 17...	2,500	Street	500 annually for 5 years.	4	"	101.359
July 17...	15,000	Street	3000 annually for 5 years.	4	"	101.359
July 17...	48,000	Street	4800 annually for 10 years.	4	"	101.359
July 17...	50,000	Street	3500 annually for 10 years.	4	"	101.359
July 17...	10,000	Street	400 annually for 20 years.	4	"	101.359
Aug. 8....	60,000	Bridge	5000 annually for 10 years.	4	"	Par
Aug. 8....	10,500	Street	1000 annually for 10 years.	4	"	"
Aug. 8....	60,000	Street	1000 annually for 10 years.	1	"	"
Sept. 25...	30,000	Street	6000 annually for 10 years.	4	Comm. Sinking Funds	"
Dec. 7....	5,000	Street	800 annually for 10 years.	4 1/2	"	"
Dec. 7....	4,000	Hospital	500 annually for 5 years.	4	Blak Bros. & Co.	"
Dec. 7....	15,000	Park	3000 annually for 20 years.	4	"	"
Dec. 7....		Street	1000 annually for 30 years.	4	N. W. Harris	"
Dec. 7....	35,000	Street	500 annually for 10 years.	4	N. W. Harris	100.49
Dec. 11...	8,000	Sewer Sep. System.....	400 annually for 10 years.	4	Millett, Roe & Hagan	101.16
1915						
Jan. 28	65,000	School House....	500 annually for 30 years.	4	"	100.445
	\$493,000					

RECAPITULATION

Street	\$240,000 00
Water	45,000 00
Sewer (Separate System)	45,000 00
Park	30,000 00
School House	65,000 00
Bridge	8,000 00
Hospital	60,000 00
	<hr/>
	\$493,000 00

FEES

During the year ending March 31, 1915, the Treasurer has received official fees amounting to \$4,763.25 itemized as follows:

Tax Sale:—

Preparation	\$166 50
Advertising	327 50
Deeds	326 00
Descriptions	13 50
Posting	183 00
Recording	27 30
Releases	82 00
Fees	3 00
Certificates of liens (Chap. 378, Acts of 1907) ..	221 00
Affidavits	1 60
Taxes—Summonses	1,911 85
Services of department in collection of water rates, etc., Water Department.....	1,500 00
	<hr/>
Total	\$4,763 25

These fees were all turned into the City Treasury as received.

REPORT OF TRUST FUNDS IN HANDS OF CITY TREASURER

BRIDGE CHARITABLE FUND

Amount of fund March 31, 1914.....	\$2,580 25
Interest to March 31, 1915.....	\$104 22
Two-thirds to Overseers of Poor.....	69 48
One-third to principal of fund.....	34 74
	<hr/>
Total of fund.....	2,614 99

CEMETERY FUND

Amount of bonds in fund, April 1, 1914.....	103,950 00
Amount of bonds purchased to March 31, 1915.....	5,200 00
	<hr/>
	109,150 00
Amount of bonds matured	1,000 00
	<hr/>
Amount of bonds in fund, April 1, 1915.....	\$108,150 00

CASH ACCOUNT

Cash on hand, March 31, 1914.....	1,310 87	
Cash received from proprietors of lots in Cambridge Cemetery for perpetual care.....	3,217 50	
Cash received for bond matured	1,000 00	
Cash received from investments	4,032 69	
Cash received for premium	30 82	
Cash received for deeds in trust	140 00	
	<hr/>	9,731 88
Cash paid for bonds purchased.....	5,200 00	
Cash paid for accrued interest.....	42 95	
Cash paid to cemetery trustees for care of lots placed in perpetual care	3,989 74	
	<hr/>	
Deposited in Harvard Trust Company	499 19	
	<hr/>	\$9,731 88

The assets of the two funds as of March 31, 1915, are invested as follows:—

Registered bonds of the City of Cambridge amounting to	\$108,150 00	
Deposited in Harvard Trust Company.....	499 19	
	<hr/>	\$108,649 19
Fund for perpetual care of lots	108,257 19	
Fund for deeds in trust	392 00	
	<hr/>	\$108,649 19

The following are the investments belonging to the Cemetery Trust Fund:—

Cambridge	City	Bonds	4%	Oct.	1, 1916	\$2,000 00
"	"	"	4	July	1, 1917	800 00
"	"	"	4	July	1, 1918	800 00
"	"	"	3½	Aug.	1, 1918	1,000 00
"	"	"	4	Aug.	1, 1918	7,000 00
"	"	"	4	July	1, 1919	800 00
"	"	"	3½	Nov.	1, 1919	3,000 00
"	"	"	3½	Nov.	1, 1920	1,000 00
"	"	"	3½	Mar.	1, 1921	800 00
"	"	"	4	July	1, 1921	800 00
"	"	"	3½	Oct.	1, 1922	11,000 00
"	"	"	3½	Oct.	1, 1923	12,000 00
"	"	"	4	Feb.	1, 1924	1,000 00
"	"	"	3½	Apr.	1, 1924	4,000 00
"	"	"	4	Apr.	1, 1924	1,000 00
"	"	"	3½	Nov.	1, 1924	4,500 00
"	"	"	3½	May	1, 1925	950 00
"	"	"	4	Oct.	1, 1925	7,500 00
"	"	"	3½	Nov.	1, 1925	1,500 00
"	"	"	4	Nov.	1, 1926	8,000 00
"	"	"	4	June	1, 1927	1,000 00
"	"	"	3½	Feb.	1, 1930	5,000 00
"	"	"	4	May	1, 1936	3,500 00
"	"	"	4	May	1, 1936	1,500 00

Amount carried forward..... \$80,450 00

Amount brought forward..... \$80,450 00

Cambridge	City	Bonds	4%	Dec.	1, 1938	5,000 00	
"	"	"	4	May	1, 1940	5,000 00	
"	"	"	3½	Mar.	1, 1941	1,500 00	
"	"	"	3½	May	1, 1944	4,000 00	
"	"	"	3½	Mar.	1, 1951	1,000 00	
"	"	"	3½	Mar.	1, 1951	1,000 00	
"	"	"	3½	July	1, 1922	1,000 00	
"	"	"	4	Feb.	1, 1924	1,000 00	
"	"	"	4	Jan.	1, 1928	2,000 00	
"	"	"	4	Sept.	1, 1932	200 00	
"	"	"	3½	Apr.	1, 1943	5,000 00	
"	"	"	3½	May	1, 1944	1,000 00	
Total							\$108,150 00

SARAH E. RUSSELL FUND

This is a fund bequeathed by the late Sarah E. Russell of Cambridge, in 1898, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse.

The amount of the bequest was \$814.41, and was deposited in the Cambridgeport Savings Bank, where it now remains.

The interest accumulations, amounting to \$32.88 for the year, have been paid to Mr. C. E. Goodrow, Superintendent of the City Home, and were used as stipulated in the will of Mrs. Russell.

REPORT OF THE WM. PENN HARDING FUND

March 31, 1914, deposited in East Cambridge Savings Bank..... \$1,000 00

The interest on said fund amounting to \$45.49 was paid.

The interest on said fund amounting to \$45.49 was paid to the trustees of the Public Library in accordance with the provisions of the gift.

The pass book of the East Cambridge Savings Bank shows that on March 31, 1915, the amount on deposit was..... \$1,000 00

JOHN WESLEY FREESE FUND

This is a fund, bequeathed by the late John Wesley Freese, of the sum of eighty-nine and 36-100 dollars, this amount being 89.36 per cent of the total amount (being so reduced by expenses) of legacy of one hundred dollars left to the City of Cambridge by said Freese under his will, for the Houghton School, and to be used in accordance with terms of said will, a copy of the seventh clause of which is as follows:—

"I will that one hundred dollars be given to the Houghton School to be known as the John Wesley Fund. I desire this fund to accumulate for twenty years by the addition of the whole interest for that time. After that I desire that no more than three fourths of the interest be expended (and always for books for the school library and for works of art for the school) to the end that the Fund shall constantly increase in size and usefulness."

TAILINGS ACCOUNT

This fund consists of various amounts of money due on pay rolls and sundry drafts, which have remained in the hands of the Treasurer awaiting payment to persons properly entitled to the same.

The amount of the fund March 31, 1914, was....	\$4,460 76	
Interest on deposit to March 31, 1915	108 48	
	<hr/>	\$4,569 24
There has been paid out of the fund during the year to sundry persons	101 88	101 88
		<hr/>
March 31, 1915, balance on deposit at Harvard Trust Company,		\$4,467 36

HOPKINS FUND

Balance March 31, 1914	\$1,398 99	
Received from Treasurer of Hopkins Fund	802 82	
Interest on deposit	47 27	
	<hr/>	\$2,249 08
Paid to School Department for tuition	\$320 00	
Paid to Warren Joseph Scott, Prize	100 00	
	<hr/>	
	\$420 00	
Balance March 31, 1915, Harvard Trust Company..	1,829 08	
	<hr/>	\$2,249 08

REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY

To the Honorable, the City Council:

The Commissioners of the several sinking funds of the city herewith submit their annual report, covering the year ending March 31, 1915. Our report shows the condition of the sinking funds under two divisions; first, municipal; second, water.

The following is the condition of the municipal loan funds:—

Dr.

The amount of the funds March 31, 1914.....	\$2,964,846 79	
Received from City of Cambridge the annual bonded requirements, as appropriated for the several bonded loans	275,450 83	
Interest received on invested funds.....	117,024 14	
Discount received on bonds purchased	5,685 15	
	<hr/>	\$3,363,006 91

Cr.

Paid on account of maturing Cambridge bonds....	\$165,000 00	
Paid premium on bonds purchased	4,132 80	
Paid interest accrued on bonds purchased	2,700 22	
Leaving total amount of funds, March 31, 1915....	3,191,173 89	
	<hr/>	\$3,363,006 91

The following is the condition of the Water Loan Fund:

Dr.

Amount of fund, March 31, 1914	\$1,719,049 81
Received from City Treasurer amount of annual re- quirements for 1914 from water rates	87,255 00
Received interest on investments	67,536 41
Received discount of bonds purchased	3,516 30
Received surplus from water rates	24,810 79
	<hr/> \$1,902,168 31

Cr.

Pain interest accrued on bonds purchased	\$1,557 48
Paid premium on bonds purchased	468 90
Leaving amount of fund March 31, 1915	1,900,141 93
	<hr/> \$1,902,168 31

The following are the investments belonging to the Municipal Loan Fund:—

Cambridge	City bonds	4s	Apr. 1, 1915	\$2,00,000 00
"	"	4½	Sept. 1, 1915	1,300 00
"	"	4	Oct. 1, 1915	70,000 00
"	"	4	July 1, 1916	170,00 00
"	"	4	Aug. 1, 1916	90,000 00
"	"	4½	Sept. 1, 1916	1,300 00
"	"	4	Oct. 1, 1916	115,000 00
"	"	3½	July 1, 1917	100,000 00
"	"	4½	Sept. 1, 1917	1,300 00
"	"	3½	Nov. 1, 1917	65,000 00
"	"	4	Jan. 1, 1918	10,000 00
"	"	3½	May 2, 1918	50,000 00
"	"	3½	Aug. 1, 1918	140,000 00
"	"	4½	Sept. 1, 1918	1,300 00
"	"	4	Mar. 1, 1919	16,000 00
"	"	4½	Sept. 1, 1919	1,300 00
"	"	3½	Nov. 1, 1919	18,000 00
"	"	4½	Sept. 1, 1920	800 00
"	"	3½	Nov. 1, 1920	5,000 00
"	"	4	July 1, 1921	19,000 00
"	"	4½	Sept. 1, 1921	800 00
"	"	3½	Nov. 1, 1921	27,000 00
"	"	3½	July 1, 1922	9,000 00
"	"	4½	Sept. 1, 1922	800 00
"	"	3½	Nov. 1, 1922	3,000 00
"	"	4½	Sept. 1, 1923	800 00
"	"	4	Feb. 1, 1924	15,000 00
"	"	3½	Apr. 1, 1924	27,000 00
"	"	4	Apr. 1, 1924	205,000 00
"	"	4½	Sept. 1, 1924	800 00
"	"	3½	Nov. 1, 1924	7,000 00
"	"	3½	May 1, 1925	47,500 00

Amount carried forward..... \$141,900 00

Amount brought forward..... \$141,900 00

Cambridge	City Bonds	3½	Aug.	1, 1925	\$20,000 00
"	"	4	Oct.	1, 1926	40,000 00
"	"	4	Nov.	1, 1926	6,000 00
"	"	4	Sept.	1, 1927	5,000 00
"	"	4	Nov.	1, 1927	10,000 00
"	"	3½	Nov.	1, 1929	42,000 00
"	"	3½	Aug.	1, 1931	10,000 00
"	"	4	Nov.	1, 1937	10,000 00
"	"	3½	Oct.	1, 1941	25,000 00
"	"	3½	Jan.	1, 1943	6,000 00
Lynn	"	4	May	1, 1915	5,000 00
Salem	"	4	June	1, 1915	8,000 00
Medford	"	4	July	1, 1915	23,000 00
Boston	"	4	July	1, 1915	5,000 00
Fall River	"	4	Aug.	1, 1915	5,000 00
West End St. Ry.	"	4	Aug.	1, 1915	57,000 00
Allegheny, Pa.	"	3½	Oct.	1, 1915	22,000 00
Newport, R. I.	"	4½	Dec.	15, 1915	8,000 00
Boston	"	4	Jan.	1, 1916	20,000 00
Watertown	Town	3½	Jan.	1, 1916	7,000 00
Melrose	City	4	Feb.	24, 1916	10,000 00
Fall River	"	4	Mar.	1, 1916	42,000 00
Lynn	"	4	May	1, 1916	5,000 00
West End St. Ry.	"	4	May	1, 1916	8,000 00
Pittsfield	"	4	June	1, 1916	10,000 00
Brockton	City Bonds	3½s	July	1, 1916	5,000 00
Boston & Lowell R.R. Co.	"	4	July	1, 1916	10,000 00
Fitchburg R.R. Co.	"	4	July	1, 1916	10,000 00
Worcester	"	4	July	1, 1916	35,000 00
Allegheny, Pa.	"	3½	Oct.	1, 1916	22,000 00
Ipswich	Town	4	Oct.	1, 1916	1,000 00
Boston	City	3½	Jan.	1, 1917	50,000 00
Watertown	Town	3½	Jan.	1, 1917	9,000 00
West End St. Ry.	"	4	Feb.	1, 1917	54,000 00
New Bedford	City	4	Mar.	1, 1917	10,000 00
Boston	"	3½	July	1, 1917	1,000 00
Springfield	"	3½	July	1, 1917	4,000 00
Beverly	"	3½	July	1, 1917	4,000 00
Bennington	Town	4	July	1, 1917	1,000 00
Ipswich	"	4	Oct.	1, 1917	1,000 00
Watertown	"	3½	Jan.	1, 1918	9,000 00
Brockton	City	3½	Feb.	1, 1918	5,000 00
Marlborough	"	4	July	1, 1918	10,000 00
Boston	"	4	Jan.	1, 1918	87,000 00
Milwaukee	"	4½	July	1, 1918	14,000 00
Hyde Park	Town	4	July	1, 1918	4,000 00
Medford	City	4	Aug.	1, 1918	50,000 00
Milton	Town	3½	Aug.	1, 1918	4,000 00
Ipswich	"	4	Oct.	1, 1918	1,000 00
Chicago	City	3½	Oct.	1, 1918	25,000 00
Minneapolis	"	4	Dec.	15, 1918	5,000 00
Newport, R. I.	"	4½	Dec.	15, 1918	8,000 00
Watertown	Town	3½	Jan.	1, 1919	9,000 00
Lynn	City	4	Jan.	1, 1919	17,000 00
Brockton	"	3½	Feb.	1, 1919	5,000 00

Amount carried forward..... \$2,298,000

Amount brought forward..... \$2,298,000 00

Boston	"	"	3½	July	1, 1919	\$8,000 00
Milwaukee	"	"	4½	July	1, 1919	14,000 00
Peabody	Town	"	4	July	16, 1919	3,000 00
Milton	"	"	3½	Aug.	1, 1919	1,000 00
Boston	City	"	3½	Oct.	1, 1919	1,000 00
Ipswich	Town	"	4	Oct.	1, 1919	1,000 00
Middlesex	County	"	4	Dec.	1, 1919	9,000 00
Watertown	Town	"	3½	Jan.	1, 1920	9,000 00
Newton	City	"	4	April	1, 1920	14,000 00
Stoughton	Town	"	4	June	1, 1920	2,000 00
Waltham	City	"	3½	July	1, 1920	4,000 00
Ipswich	Town	"	4	Oct.	1, 1920	1,000 00
Newport, R. I.	City	"	4½	Dec.	15, 1920	8,000 00
Watertown	Town	"	3½	Jan.	21, 1921	9,000 00
Brockton	City	"	3½	Feb.	1, 1921	5,000 00
Hudson	Town	"	4	May	1, 1921	3,000 00
Peabody	"	"	4	July	16, 1921	3,000 00
Lawrence	City	"	4	Aug.	1, 1921	8,000 00
Troy, N. Y.	City	"	4	Sept.	1, 1921	15,000 00
Ipswich	Town	"	4	Oct.	1, 1921	1,000 00
Weymouth	"	"	4	Nov.	1, 1921	1,000 00
Watertown	"	"	3½	Jan.	1, 1922	9,000 00
Brockton	City	"	3½	Feb.	1, 1922	5,000 00
Reading	Town	"	4	June	1, 1922	5,000 00
Boston	City	"	3½	June	1, 1922	53,000 00
Troy, N. Y.	City	"	4	Sept.	1, 1922	15,000 00
Ipswich	Town	"	4	Oct.	1, 1922	1,000 00
Weymouth	Town	Bonds	4s	Nov.	1, 1922	5,000 00
Revere	"	"	3½	April	1, 1923	12,000 00
Fitchburg	City	"	4	May	1, 1923	6,000 00
Watertown	Town	"	4	May	1, 1923	3,000 00
Boston	City	"	3½	June	1, 1923	66,000 00
Reading	Town	"	4	June	1, 1923	5,000 00
Medford	City	"	4	July	1, 1923	2,000 00
Lawrence	"	"	4	July	1, 1923	2,000 00
Medford	"	"	4	Aug.	1, 1923	6,000 00
Ipswich	Town	"	4	Oct.	1, 1923	1,000 00
Wakefield	"	"	3½	Nov.	1, 1923	4,000 00
Weymouth	"	"	4	Nov.	1, 1923	5,000 00
Brookline	"	"	3½	Jan.	1, 1924	2,000 00
Revere	"	"	3½	April	1, 1924	12,000 00
Watertown	"	"	4	May	1, 1924	3,000 00
Greenwich, Conn.	City	"	4½	May	1, 1924	2,000 00
Malden	"	"	4	May	2, 1924	9,000 00
Fall River	"	"	3½	July	1, 1924	10,000 00
Akron, Ohio	"	"	5½	Sept.	1, 1924	50,000 00
Marlboro	"	"	4	Sept.	1, 1924	10,000 00
Ipswich	Town	"	4	Oct.	1, 1924	1,000 00
Wakefield	"	"	3½	Nov.	1, 1924	4,000 00
Weymouth	"	"	4	Nov.	1, 1924	5,000 00
Norwich, Conn.	City	"	3½	Jan.	1, 1925	26,000 00
Winchester	Town	"	4	May	1, 1925	6,000 00
Ipswich	"	"	4	Oct.	1, 1925	1,000 00
Old Colony R.R. Co.	"	"	4	Dec.	1, 1925	65,000 00
Revere	"	"	3½	April	1, 1926	2,000 00

Amount carried forward..... \$2,831,000

Amount brought forward..... \$2,831,000 00

Quincy	City	"	4	May	1, 1926	\$1,000 00
Winchester	Town	"	4	June	1, 1926	5,000 00
Ipswich	"	"	4	Oct.	1, 1926	1,000 00
Weymouth	"	"	4	Nov.	1, 1926	3,000 00
Stamford, Conn.	"	"	4	Feb.	1, 1927	5,000 00
Fitchburg, R.R. Co.	"	"	4	Mar.	1, 1927	40,000 00
Woonsocket, R. I. City	"	"	4	May	1, 1927	50,000 00
Taunton	"	"	4	June	1, 1927	5,000 00
Arlington	Town	"	4	Oct.	1, 1927	5,000 00
Toledo	City	"	4½	Sept.	1, 1928	33,000 00
Taunton	"	"	4	Dec.	1, 1928	3,000 00
Minneapolis	"	"	3½	Jan.	1, 1929	20,000 00
Total						\$3,002,000 00

The following are the investments belonging to the Water Loan Fund:—

Cambridge	City	Bonds	3½s	May	1, 1915	\$12,500 00
"	"	"	4	Mar.	1, 1916	500 00
"	"	"	4	April	1, 1916	10,000 00
"	"	"	3½	May	1, 1916	11,500 00
"	"	"	4	Oct.	1, 1916	92,100 00
"	"	"	4	Mar.	1, 1917	500 00
"	"	"	3½	April	1, 1917	20,000 00
"	"	"	3½	May	1, 1917	12,500 00
"	"	"	3½	Dec.	1, 1917	40,000 00
"	"	"	4	May	1, 1918	500 00
"	"	"	3½	May	2, 1918	100,000 00
"	"	"	4	July	1, 1918	1,000 00
"	"	"	4	Sept.	1, 1918	1,000 00
"	"	"	3½	Nov.	1, 1918	50,000 00
"	"	"	4	Mar.	1, 1919	8,500 00
"	"	"	3½	May	1, 1919	12,500 00
"	"	"	3½	Nov.	1, 1919	20,000 00
"	"	"	4	Mar.	1, 1920	500 00
"	"	"	3½	May	1, 1920	12,500 00
"	"	"	4	Nov.	1, 1920	5,000 00
"	"	"	4	Mar.	1, 1921	500 00
"	"	"	3½	May	1, 1921	12,500 00
"	"	"	3½	July	1, 1921	50,000 00
"	"	"	4	July	1, 1921	1,000 00
"	"	"	4	Mar.	1, 1922	500 00
"	"	"	3½	May	1, 1922	12,500 00
"	"	"	3½	July	1, 1922	75,000 00
"	"	"	4	Mar.	1, 1923	500 00
"	"	"	3½	May	1, 1923	12,500 00
"	"	"	3½	Oct.	1, 1923	25,000 00
"	"	"	4	Feb.	1, 1924	36,000 00
"	"	"	4	Mar.	1, 1924	500 00
"	"	"	4	April	1, 1924	1,000 00
"	"	"	3½	April	1, 1924	23,000 00
"	"	"	3½	May	1, 1924	17,500 00
"	"	"	4	Mar.	1, 1925	500 00
"	"	"	4	Mar.	1, 1926	500 00
"	"	"	4	Mar.	1, 1927	500 00

Amount carried forward..... \$680,600 00

Amount brought forward..... \$680,600 00

Cambridge	City	Bonds	4	June	1, 1927	\$1,000 00
"	"	"	4	Mar.	1, 1928	500 00
"	"	"	4	Mar.	1, 1929	500 00
"	"	"	4	Mar.	1, 1930	500 00
"	"	"	4	Mar.	1, 1931	500 00
"	"	"	4	Mar.	1, 1932	500 00
"	"	"	4	Mar.	1, 1933	500 00
"	"	"	3½	April	1, 1933	1,000 00
"	"	"	3½	Sept.	1, 1937	3,000 00
Revere	Town	"	3½	April	1, 1915	1,000 00
Weymouth	"	"	3½	May	1, 1915	2,500 00
Holyoke	City	"	3½	May	1, 1915	7,500 00
Beverly	"	"	4½	May	1, 1915	2,000 00
Newburyport	"	"	3½	June	1, 1915	12,000 00
Northampton	"	"	3½	July	1, 1915	6,000 00
Springfield	"	"	3½	July	1, 1915	5,700 00
Somerville	"	"	4	July	1, 1915	8,000 00
Beverly	"	"	3½	July	1, 1915	5,000 00
Brockton	City	Bonds	3½	Aug.	1, 1915	1,000 00
West End St. Ry.	"	"	4	Aug.	1, 1915	25,000 00
Newburyport	"	"	3½	Sept.	1, 1915	7,000 00
Salem	"	"	3½	Sept.	1, 1915	5,000 00
Gloucester	"	"	3½	Oct.	1, 1915	10,000 00
Ipswich	Town	"	4	Oct.	1, 1915	1,000 00
Troy, N. Y.	City	"	3½	Nov.	1, 1915	2,000 00
Brockton	"	"	3½	Feb.	1, 1916	4,000 00
Revere	Town	"	3½	April	1, 1916	6,000 00
Weymouth	"	"	3½	May	1, 1916	2,500 00
Holyoke	City	"	3½	May	1, 1916	7,500 00
West End St. Ry.	"	"	4	May	1, 1916	4,000 00
Springfield	"	"	3½	July	1, 1916	3,500 00
Northampton	"	"	3½	July	1, 1916	2,000 00
Somerville	"	"	4	July	1, 1916	8,000 00
Beverly	"	"	3½	July	1, 1916	5,000 00
Salem	"	"	3½	Sept.	1, 1916	5,000 00
Gloucester	"	"	3½	Oct.	1, 1916	10,000 00
Boston	"	"	3½	Jan.	1, 1917	20,000 00
Milwaukee	"	"	4½	Jan.	1, 1917	14,000 00
West End St. Ry.	"	"	4	Feb.	1, 1917	8,000 00
Brockton	"	"	3½	Feb.	1, 1917	4,000 00
Wellesley	Town	"	4	Mar.	1, 1917	2,000 00
Waltham	City	"	4	April	1, 1917	24,000 00
Revere	Town	"	3½	April	1, 1917	12,000 00
Weymouth	"	"	3½	May	1, 1917	2,500 00
Holyoke	City	"	3½	May	1, 1917	7,500 00
Newburyport	"	"	3½	June	1, 1917	12,000 00
New London	"	"	4	July	1, 1917	5,000 00
Northampton	"	"	3½	July	1, 1917	6,000 00
Salem	"	"	3½	Sept.	1, 1917	5,000 00
Gloucester	"	"	3½	Oct.	1, 1917	10,000 00
New Bedford	"	"	4½	Oct.	1, 1917	75,000 00
Hallowell, Me.	"	"	4	Jan.	1, 1918	15,000 00
Milwaukee	"	"	4½	Jan.	1, 1918	14,000 00
New Bedford	"	"	3½	Feb.	1, 1918	5,000 00
Wellesley	Town	"	4	Mar.	1, 1918	1,000 00

Amount carried forward..... \$1,088,800 00

Amount brought forward..... \$1,088,800 00

Newport, R. I.	City	"	4½	Mar.	2, 1918	\$2,000 00
Weymouth	Town	"	3½	May	1, 1918	2,500 00
Holyoke	City	"	3½	May	1, 1918	7,500 00
Mansfield	Town	"	4	May	1, 1918	10,000 00
Salem	City	"	3½	Sept.	1, 1918	5,000 00
Gloucester	"	"	3½	Oct.	1, 1918	10,000 00
Newport, R. I.	"	"	4½	Mar.	2, 1920	4,000 00
Weymouth	Town	"	3½	May	1, 1919	2,500 00
Newburyport	City	"	3½	June	1, 1919	11,000 00
Malden	"	"	4	July	1, 1919	5,000 00
Salem	"	"	3½	Sept.	1, 1919	5,000 00
Troy	"	"	4	Sept.	1, 1919	15,000 00
Boston	"	"	3½	Oct.	1, 1919	6,000 00
Newport, R. I.	"	"	4½	Mar.	2, 1920	4,000 00
Revere	Town	"	3½	April	1, 1920	2,000 00
Beverly	"	"	4	April	1, 1920	4,000 00
Weymouth	"	"	3½	May	1, 1920	2,500 00
Holyoke	City	"	3½	May	1, 1920	5,000 00
Minneapolis, Mo.	"	"	4	June	1, 1920	19,000 00
Lawrence	"	"	4	Aug.	1, 1920	8,000 00
Penobscot Shore Line						
R. R. Co.		Bonds	4	Aug.	1, 1920	25,000 00
Fitchburg R. R. Co.		"	3½	Oct.	1, 1920	50,000 00
Natick	Town	"	3½	Oct.	1, 1921	5,000 00
Lynn	City	"	4	Jan.	1, 1922	10,000 00
Newport, R. I.	"	"	4½	Mar.	1, 1922	3,000 00
Revere	Town	"	3½	April	1, 1922	7,000 00
Lawrence	City	"	4	Aug.	1, 1922	4,000 00
Natick	Town	"	3½	Oct.	1, 1922	8,000 00
Newport, R. I.	City	"	4½	Mar.	2, 1923	3,000 00
Lynn	"	"	4	April	1, 1923	25,000 00
Quincy	"	"	4	May	1, 1923	2,000 00
Natick	Town	"	3½	Oct.	1, 1923	7,000 00
Newton	City	"	4	Jan.	1, 1924	2,000 00
Old Colony R. R.	"	"	4	Feb.	1, 1924	3,000 00
Quincy	"	"	4	May	1, 1924	1,000 00
Rochester	"	"	3½	July	1, 1924	35,000 00
Lewiston, Me.	"	"	4	July	1, 1924	23,000 00
Salem	"	"	3½	Sept.	1, 1924	3,000 00
Natick	Town	"	3½	Oct.	1, 1924	5,000 00
Central Falls, R. I.	City	"	4	Dec.	1, 1924	5,000 00
Quincy	"	"	4	May	1, 1925	2,000 00
Salem	"	"	3½	Sept.	1, 1925	5,000 00
Leominster	"	"	4	Oct.	1, 1925	29 000 00
Central Falls, R. I.	"	"	4	Dec.	1, 1925	10,000 00
Quincy	"	"	4	May	1, 1926	3,000 00
Burlington, Vt.	"	"	4	July	1, 1926	10,000 00
Central Falls, R. I.	"	"	4	Dec.	1, 1926	10,000 00
Quincy	"	"	4	May	1, 1927	3,000 00
Attleboro	Town	"	4	July	1, 1927	10,000 00
Quincy	City	"	4	May	1, 1928	3,000 00
Winchester	Town	"	4	June	1, 1928	6,000 00
Quincy	City	"	4	May	9, 1929	3,000 00
Fall River	"	"	3½	Nov.	1, 1929	75,000 00
Quincy	"	"	4	May	1, 1930	3,000 00

Amount carried forward..... \$1,617,800 00

Amount brought forward.....						\$1,617,800
Quincy	"	"	4	May	1, 1931	\$3,000 00
Quincy	"	"	4	May	1, 1932	1,000 00
Newton	"	"	4	Aug.	1, 1935	2,000 00
Newton	"	"	4	July	1, 1936	11,000 00
Grafton	Town	"	3½	July	1, 1937	1,000 00
Old Colony R. R. Co.	"	"	4	Jan.	1, 1938	25,000 00
Grafton	"	"	3½	July	1, 1938	2,000 00
Grafton	"	"	3½	July	1, 1939	2,000 00
Total						<u>\$1,664,800 00</u>

MUNICIPAL FUND ACCOUNT

BOND ACCOUNT

Amount of bonds belonging to fund March 31, 1914..	\$2,838,000 00
Amount purchased to March 31, 1915	253,500 00
	<u>3,091,500 00</u>
Amount matured to March 31, 1915.....	89,500 00
Amount of bonds in fund March 31, 1915.....	<u>\$3,002,000 00</u>

CASH ACCOUNT

Dr.

Cash on hand March 31, 1914.....	\$126,846 79
Received from City Treasurer annual appropriation	275,450 83
Received interest on investments.....	117,024 14
Received from bonds matured	89,500 00
Received discount on bonds purchased..	5,685 15
	<u>\$614,506 91</u>

Cr.

Cash paid for bonds purchased	\$253,500 00
Paid for premiums on bonds purchased.	4,132 80
Paid interest accrued on bonds purchased	2,700 22
Paid City Treasurer for bonds maturing during the year	165,000 000
	<u>\$425,333 02</u>
Balance cash on hand March 31, 1915..	\$189,173 89
Total amount of the fund March 31, 1915.....	<u>\$3,191,173 89</u>

WATER LOAN FUND

BOND ACCOUNT

Amount of bonds in fund March 31, 1914.....	\$1,608,500 00	
Amount of bonds purchased to March 31, 1915.....	258,000 00	
	<hr/>	
	1,866,500 00	
Amount of bonds matured to March 31, 1915.....	201,700 00	
	<hr/>	
Amount of bonds in fund March 31, 1915.....		\$1,664,800 00

CASH ACCOUNT

Dr.

Cash on hand March 31, 1914	\$110,594 81	
Received from City of Cambridge annual appropriation	87,255 00	
Received surplus receipts from water rates	24,810 79	
Received interest on investments.....	67,536 41	
Received from matured bonds.....	201,700 00	
Received discount on bonds purchased..	3,516 30	
	<hr/>	
		\$495,368 31

Cr.

Cash paid for bonds purchased.....	\$258,000 00	
Paid interest accrued on bonds purchased	1,557 48	
Paid premium on bonds purchased.....	468 90	
	<hr/>	
		\$260,026 38
Balance cash on hand March 31, 1915.....		235,341 93
		<hr/>
Total amount of fund March 31, 1915.....		\$1,900,141 93

HENRY F. LEHAN,

Treasurer of Funds.

The Committee appointed to audit the accounts of the Treasurer of the Funds reports that his accounts are correct and properly vouched and his books are well kept. The bonds and coupons have been examined and checked up and found correct. The interest, bond, and cash transactions of the Treasurer during the year have been carefully computed independently of his books and their correctness thereby proved.

GEORGE G. WRIGHT,
HERBERT M. BRIDEY,
THOMAS F. ROYLE

Auditing Committee.

Municipal bonds to the amount of \$448,000.00 have been issued during the year, all of which were serial bonds. Municipal bonds amounting to \$165,000.00 became due during the year and were paid from the sinking fund, and \$31,550.00 serial bonds were paid from taxation. The total amount of the funded municipal debt exclusive of the water debt now outstanding is \$9,341,950.00, of which \$742,650.00 are serial bonds. Deducting the present amount at par value of the municipal sinking fund \$3,191,173.89, leaves the net amount of the municipal funded debt March 31, 1915, \$6,150,776.11, a net increase of \$25,122.90. There will be due to this fund from taxation during the next municipal year the sum of \$268,476.58. During this coming year municipal bonds to the amount of \$120,000.00 will become due and be paid from this fund. There will also be payable from taxation the sum of \$62,200.00 serial bonds.

Water bonds to the amount of \$45,000.00 have been issued during the year, all serial and payable from water revenue. No bonds were paid from this fund, and serial bonds amounting to \$19,000.00 became due and were paid from water revenue. The total amount of the water debt now outstanding is \$2,922,100.00, of which \$307,000.00 are serial bonds. Deducting the par value of the water loan sinking fund, \$1,900,141.93, leaves a net funded water debt March 31, 1915, of \$1,021,958.07, a decrease of \$155,092.12. There will be due to this fund from the water rates during the next financial year \$87,255.00. During the coming year water bonds to the amount of \$400,000.00 will become due and be paid from the fund. There will also be payable from water revenue the sum of \$20,500.00 serial bonds.

GEORGE G. WRIGHT,
HERBERT M. BRIDEY,
THOMAS F. ROYLE,
EDWARD N. MANNING,
JAMES O'BRIEN,
JOHN J. QUINLAN,

Commissioners of the Sinking Funds of the City of Cambridge.

The bonded City Debt matures as follows, viz.:—

July	1, 1915	School House (Serial)....	4½s	\$3,250 00
July	1, 1915	Building (Serial).....	4½	5,500 00
July	1, 1915	Street (Serial).....	4½	9,300 00
July	1, 1915	Street (Serial).....	4	500 00
July	1, 1915	Street (Serial).....	4	3,000 00
July	1, 1915	Street (Serial).....	4	4,800 00
July	1, 1915	Street (Serial).....	4	3,500 00
July	1, 1915	Bridge (Serial).....	4	400 00
July	1, 1915	Sewer (Serial), sep. system	4	1,000 00
July	1, 1915	Park (Serial).....	4	1,000 00
July	1, 1915	Street (Serial).....	4	500 00
Aug.	1, 1915	Street (Serial).....	4	12,000 00
Sept.	1, 1915	Street (Serial).....	4½	1,300 00
Sept.	1, 1915	Hospital (Serial).....	4½	3,000 00
Sept.	1, 1915	Park (Serial).....	3½	2,000 00
Oct.	1, 1915	Building	4	60,000 00
Oct.	1, 1915	Street	4	60,000 00
Dec.	1, 1915	Street (Serial).....	4	400 00
Dec.	1, 1915	Sewer (Serial) sep. system	4	500 00
Dec.	1, 1915	Municipal (Serial).....	4	1,500 00
Jan.	1, 1916	School House (Serial)...	4	3,250 00
Mar.	1, 1916	School (Serial).....	4	5,000 00
Mar.	1, 1916	Sewer (Serial).....	4	500 00
July	1, 1916	Building	4	70,000 00
July	1, 1916	School House (Serial)...	4½	3,250 00
July	1, 1916	Building (Serial).....	4½	5,500 00
July	1, 1916	Street (Serial).....	4½	9,300 00
July	1, 1916	Street (Serial).....	4	500 00
July	1, 1916	Street (Serial).....	4	3,000 00
July	1, 1916	Street (Serial).....	4	4,800 00
July	1, 1916	Street (Serial).....	4	3,500 00
July	1, 1916	Bridge (Serial).....	4	400 00
July	1, 1916	Sewer (Serial) sep. system	4	1,000 00
July	1, 1916	Park (Serial).....	4	1,000 00
July	1, 1916	Street (Serial).....	4	500 00
Aug.	1, 1916	Street (Serial).....	4	12,000 00
Sept.	1, 1916	Street (Serial).....	4½	1,300 00
Sept.	1, 1916	Hospital (Serial).....	4½	3,000 00
Sept.	1, 1916	Park (Serial).....	3½	2,000 00
Oct.	1, 1916	Street.....	4	137,000 00
Oct.	1, 1916	Building.....	4	33,000 00
Oct.	1, 1916	Sewer.....	4	75,000 00
Oct.	1, 1916	School House.....	4	6,000 00
Dec.	1, 1916	Municipal (Serial).....	4	1,000 00
Dec.	1, 1916	Street (Serial).....	4	400 00
Dec.	1, 1916	Sewer (Serial).....	4	500.00
Jan.	1, 1917	School House (Serial)...	4	3,250 00
Mar.	1, 1917	School (Serial).....	4	5,000 00
Mar.	1, 1917	Sewer (Serial).....	4	500 00
July	1, 1917	School House.....	3½	100,000 00
July	1, 1917	Street (Serial).....	4½	9,300 00
July	1, 1917	School House (Serial)...	4½	3,250 00
July	1, 1917	Building (Serial).....	4½	5,500 00
July	1, 1917	Street (Serial).....	4	500 00
July	1, 1917	Street (Serial).....	4	3,000 00

Amount carried forward \$686,450 00

Amount brought forward..... \$686,450 00

July 1, 1917	Street (Serial).....	4	4,800 00
July 1, 1917	Street (Serial)	4	3,500 00
July 1, 1917	Bridge (Serial)	4	400 00
July 1, 1917	Sewer (Serial) sep. system	4	1,000 00
July 1, 1917	Park (Serial)	4	1,000 00
July 1, 1917	Street (Serial)	4	500 00
Aug. 1, 1917	Street (Serial)	4	12,000 00
Sept. 1, 1917	Street (Serial)	4½	1,300 00
Sept. 1, 1917	Hospital (Serial)	4½	3,000 00
Sept. 1, 1917	Park (Serial)	3½	2,000 00
Oct. 1, 1917	Harvard Bridge	4	10,000 00
Dec. 1, 1917	Municipal (Serial)	4	1,000 00
Dec. 1, 1917	Street (Serial)	4	400 00
Dec. 1, 1917	Sewer (Serial) sep. system	4	500 00
Jan. 1, 1918	School House (Serial)....	4	3,250 00
Jan. 1, 1918	City	4	10,000 00
Mar. 1, 1918	School (Serial)	4	5,000 00
Mar. 1, 1918	Sewer (Serial)	4	500 00
May 1, 1918	City	4	400,000 00
May 2, 1918	School House	3½	100,000 00
May 2, 1918	Street	3½	15,000 00
June 1, 1918	School House.....	3½	50,000 00
June 1, 1918	City	4	30,000 00
July 1, 1918	Harvard Bridge	4	100,000 00
July 1, 1918	School House (Serial)....	4½	3,250 00
July 1, 1918	Building (Serial)	4½	5,500 00
July 1, 1918	Street (Serial)	4½	9,300 00
July 1, 1918	Street (Serial)	4	500 00
July 1, 1918	Street (Serial)	4	3,000 00
July 1, 1918	Street (Serial)	4	4,800 00
July 1, 1918	Street (Serial)	4	3,500 00
July 1, 1918	Bridge (Serial)	4	400 00
July 1, 1918	Sewer (Serial) sep. system	4	1,000 00
July 1, 1918	Park (Serial)	4	1,000 00
July 1, 1918	Street (Serial)	4	500 00
Aug. 1, 1918	Street (Serial)	4	12,000 00
Aug. 1, 1918	School House	3½	142,000 00
Aug. 1, 1918	City	4	7,000 00
Sept. 1, 1918	Harvard Bridge	4	100,000 00
Sept. 1, 1918	Street (Serial)	4½	1,300 00
Sept. 1, 1918	Hospital (Serial)	4½	3,000 00
Sept. 1, 1918	Park (Serial)	3	2,000 00
Dec. 1, 1918	Municipal (Serial)	4	1,000 00
Dec. 1, 1918	Street (Serial)	4	400 00
Dec. 1, 1918	Sewer (Serial) sep. system	4	500 0
Jan. 1, 1919	School House(Serial)....	4	3,250 00
Mar. 1, 1919	Harvard Bridge	4	115,000 00
Mar. 1, 1919	School (Serial)	4	5,000 00
Mar. 1, 1919	Sewer (Serial)	4	500 00
July 1, 1919	School House	3½	42,000 00
July 1, 1919	School House (Serial)....	4½	3,250 00
July 1, 1919	Building (Serial).....	4½	5,500 00
July 1, 1919	Street (Serial)	4½	9,300 00
July 1, 1919	Building (Serial)	4½	500 00
July 1, 1919	Street (Serial)	4	3,000 00 -
July 1, 1919	Street (Serial)	4	4,800 00

Amount carried forward \$1,935,650 00

Amount brought forward \$1,935,650 00

July 1, 1919	Street (Serial)	4	3,500 00
July 1, 1919	Bridge (Serial)	4	400 00
July 1, 1919	(Sewer (Serial) sep. system	4	1,000 00
July 1, 1919	Park (Serial)	4	1,000 00
July 1, 1919	Street (Serial)	4	500 00
Aug. 1, 1919	Street (Serial)	4	12,000 00
Sept. 1, 1919	Park (Serial)	3½	2,000 00
Sept. 1, 1919	Street (Serial)	4½	1,300 00
Sept. 1, 1919	Hospital (Serial)	4½	3,000 00
Nov. 1, 1919	Street	3½	5,000 00
Nov. 1, 1919	School House	3½	13,000 00
Dec. 1, 1919	Municipal (Serial)	4	1,000 00
Dec. 1, 1919	Street (Serial)	4	400 00
Dec. 1, 1919	Sewer (Serial) sep. system	4	500 00
Jan. 1, 1920	School House (Serial)....	4	3,250 00
Jan. 1, 1920	Street (Serial)	3½	75,000 00
Mar. 1, 1920	Sewer (Serial)	4	500 00
Mar. 1, 1920	Sewer (Serial)	4	500 00
July 1, 1920	Municipal	4	8,000 00
July 1, 1920	School House (Serial)....	4½	3,250 00
July 1, 1920	Building (Serial)	4½	5,500 00
July 1, 1920	Street (Serial)	4½	9,300 00
July 1, 1920	Street (Serial)	4	4,800 00
July 1, 1920	Street (Serial)	4	3,500 00
July 1, 1920	Bridge (Serial).....	4	400 00
July 1, 1920	Sewer (Serial) sep. system	4	1,000 00
July 1, 1920	Park (Serial).....	4	1,000 00
July 1, 1920	Street (Serial)	4	500 00
Aug. 1, 1920	Street (Serial)	4	12,000 00
Sept. 1, 1920	Park (Serial)	3½	2,000 00
Sept. 1, 1920	Street (Serial)	4½	800 00
Sept. 1, 1920	Hospital (Serial)	4½	3,000 00
Nov. 1, 1920	Harvard Bridge	4	5,000 00
Nov. 1, 1920	Street	3½	21,000 00
Dec. 1, 1920	Municipal (Serial)	4	1,000 00
Dec. 1, 1920	Street (Serial)	4	400 00
Dec. 1, 1920	Sewer sep. system.....	4	500 00
Jan. 1, 1921	School House (Serial)....	4	3,250 00
Mar. 1, 1921	Street	3½	25,800 00
Mar. 1, 1921	Street	4	25,000 00
Mar. 1, 1921	Street	3½	25,000 00
July 1, 1921	Harvard Bridge	4	60,000 00
July 1, 1921	Street	3½	30,000 00
July 1, 1921	Cambridge Bridge	3½	24,000 00
July 1, 1921	School House	3½	76,000 00
July 1, 1921	Street	3½	55,000 00
July 1, 1921	Municipal	3½	25,000 00
July 1, 1921	School House (Serial)	4½	3,250 00
July 1, 1921	Building (Serial)	4½	5,500 00
July 1, 1921	Street (Serial)	4½	9,300 00
July 1, 1921	Street (Serial)	4	4,800 00
July 1, 1921	Street (Serial)	4	3,500 00
July 1, 1921	Bridge (Serial)	4	400 00
July 1, 1921	Sewer (Serial) sep. system	4	1,000 00
July 1, 1921	Cemetery	3½	8,000 00
July 1, 1921	Park(Serial)	4	1,000 00

Amount carried forward 2,528,250 00

Amount brought forward..... 2,528,250 00

July 1, 1921	Street (Serial)	4	500 00
Aug. 1, 1921	Street (Serial)	4	12,000 00
Sept. 1, 1921	Park (Serial)	3½	2,000 00
Sept. 1, 1921	Street (Serial)	4½	800 00
Sept. 1, 1921	Hospital (Serial)	4½	3,000 00
Nov. 1, 1921	Public Library	3½	27,000 00
Dec. 1, 1921	Chas. River Basin Assn. ...	4	60,000 00
Dec. 1, 1921	Street	4	17,000 00
Dec. 1, 1921	Municipal (Serial)	4	1,000 00
Dec. 1, 1921	Street (Serial)	4	400 00
Dec. 1, 1921	Sewer (Serial) sep. system	4	500 00
Jan. 1, 1922	School House (Serial)	4	3,250 00
Mar. 1, 1922	Sewer (Serial)	4	500 00
Mar. 1, 1922	municipal	3½	15,500 00
July 1, 1922	Hospital	3½	6,000 00
July 1, 1922	School House	3½	86,500 00
July 1, 1922	Street	3½	30,000 00
July 1, 1922	School House (Serial)	4½	3,250 00
July 1, 1922	Building (Serial)	4½	5,500 00
July 1, 1922	Street (Serial)	4½	9,300 00
July 1, 1922	Street (Serial)	4	4,800 00
July 1, 1922	Street (Serial)	4	3,500 00
July 1, 1922	Bridge (Serial)	4	400 00
July 1, 1922	Sewer (Serial) sep. system	4	1,000 00
July 1, 1922	Park (Serial)	4	1,000 00
July 1, 1922	Street (Serial)	4	500 00
Aug. 1, 1922	Street (Serial)	4	12,000 00
Sept. 1, 1922	Street (Serial)	4½	800 00
Sept. 1, 1922	Hospital (Serial)	4½	3,000 00
Sept. 1, 1922	Park (Serial)	3½	2,000 00
Sept. 1, 1922	Municipal	4	35,000 00
Sept. 1, 1922	Street	4	7,000 00
Sept. 1, 1922	Street	4	118,000 00
Oct. 1, 1922	Schoolhouse	3½	11,000 00
Nov. 1, 1922	Street	3½	14,000 00
Dec. 1, 1922	Municipal (Serial)	4	1,000 00
Dec. 1, 1922	Street (Serial)	4	400 00
Dec. 1, 1922	Sewer (Serial) sep. system	4	500 00
Jan. 1, 1923	School House (Serial)	4	3,250 00
Feb. 1, 1923	Municipal	4	4,800 00
Feb. 1, 1923	Municipal	4	35,000 00
Feb. 1, 1923	Street	4	10,000 00
Feb. 1, 1923	Street	4	3,000 00
Mar. 1, 1923	Sewer (Serial)	4	500 00
Apr. 1, 1923	Street	3½	4,000 00
Apr. 1, 1923	Building	3½	3,000 00
July 1, 1923	School House (Serial)	4½	3,250 00
July 1, 1923	Street	4	57,800 00
July 1, 1923	Building (Serial)	4½	5,500 00
July 1, 1923	Street (Serial)	4½	8,000 00
July 1, 1923	Municipal	4	25,000 00
July 1, 1923	Street (Serial)	4	4,800 00
July 1, 1923	Street (Serial)	4	3,500 00
July 1, 1923	Bridge (Serial)	4	400 00
July 1, 1923	Sewer (Serial)	4	1,000 00
July 1, 1923	Park (Serial)	4	1,000 00

Amount carried forward..... 3,201,950 00

Amount brought forward..... 3,201,950 00

July 1, 1923	Street (Serial)	4	500 00
Aug. 1, 1923	Harvard Bridge	4	10,000 00
Aug. 1, 1923	Street (Serial)	4	12,000 00
Sept. 1, 1923	Park (Serial)	3 1/2	2,000 00
Sept. 1, 1923	Street (Serial)	4 1/2	800 00
Sept. 1, 1923	Hospital (Serial)	4 1/2	3,000 00
Oct. 1, 1923	School House	3 1/2	80,000 00
Nov. 1, 1923	Street	3 1/2	12,000 00
Dec. 1, 1923	Municipal (Serial)	4	1,000 00
Dec. 1, 1923	Street (Serial)	4	400 00
Dec. 1, 1923	Sewer (Serial) sep. system	4	500 00
Jan. 1, 1924	School House (Serial)....	4	3,250 00
Feb. 1, 1924	Park	4	360,000 00
Mar. 1, 1924	Sewer (Serial)	4	500 00
Apr. 1, 1924	Building	3 1/2	25,000 00
Apr. 1, 1924	School House	3 1/2	80,000 00
May 1, 1924	School House	3 1/2	5,000 00
July 1, 1924	School House (Serial)....	4 1/2	3,250 00
July 1, 1924	Street (Serial)	4 1/2	2,000 00
July 1, 1924	Street (Serial)	4	4,800 00
July 1, 1924	Street (Serial)	4	3,500 00
July 1, 1924	Bridge (Serial)	4	400 00
July 1, 1924	Sewer (Serial) sep. system	4	1,000 00
July 1, 1924	Park (Serial)	4	1,000 00
July 1, 1924	Street (Serial)	4	500 00
Aug. 1, 1924	Sewer	4	75,000 00
Aug. 1, 1924	Street (Serial)	4	12,000 00
Sept. 1, 1924	Park (Serial)	3 1/2	2,000 00
Sept. 1, 1924	Street	3 1/2	59,000 00
Sept. 1, 1924	Street (Serial)	4 1/2	800 00
Sept. 1, 1924	Hospital (Serial)....	4 1/2	3,000 00
Nov. 1, 1924	Building	3 1/2	6,000 00
Nov. 1, 1924	School House	3 1/2	20,000 00
Nov. 1, 1924	Street	3 1/2	6,500 00
Dec. 1, 1924	Street (Serial)	4	400 00
Dec. 1, 1924	Sewer (Serial)	4	500 00
Jan. 1, 1925	Street (Serial)	4	3,250 00
Mar. 1, 1925	Sewer (Serial)	4	500 00
May 1, 1925	Street	3 1/2	84,000 00
May 1, 1925	School House	3 1/2	20,950 00
July 1, 1925	School House (Serial)....	4 1/2	3,250 00
July 1, 1925	Street (Serial)	4 1/2	2,000 00
July 1, 1925	Bridge, Serial)	4	400 00
July 1, 1925	Sewer (Serial) sep. system	4	1,000 00
July 1, 1925	Park (Serial)	4	1,000 00
Aug. 1, 1925	School House	3 1/2	20,000 00
Sept. 1, 1925	Park (Serial)	3 1/2	2,000 00
Sept. 1, 1925	Hospital (Serial)	4 1/2	3,000 00
Oct. 1, 1925	Sewer	4	60,000 00
Nov. 1, 1925	Street	3 1/2	1,500 00
Dec. 1, 1925	Sewer Sep. System (Serial)	4	500 00
Jan. 1, 1926	Street (Serial)	4	3,250 00
Mar. 1, 1926	Sewer (Serial)	4	500 00
May 1, 1926	Street	4	100,000 00
July 1, 1926	School House (Serial)....	4 1/2	3,250 00

Amount carried forward..... \$4,309,900 00

Amount brought forward.....\$4,309,900 00

July 1, 1926	Street (Serial)	4½	2,000 00
July 1, 1926	Bridge (Serial)	4	400 00
July 1, 1926	Sewer (Serial) sep. system	4	1,000 00
July 1, 1926	Park (Serial)	4	1,000 00
Aug. 1, 1926	Park	4	100,000 00
Aug. 1, 1926	School House	4	47,000 00
Aug. 1, 1926	Street	4	22,000 00
Sept. 1, 1926	Hospital (Serial)	4½	3,000 00
Sept. 1, 1926	Park (Serial)	3½	2,000 00
Oct. 1, 1926	Park	4	40,000 00
Dec. 1, 1926	Sewer Sep. System (Serial)	4	500 00
Jan. 1, 1927	School House (Serial)....	4	3,250 00
Apr. 1, 1927	Street	4	40,000 00
June 1, 1927	Street	4	19,000 00
July 1, 1927	School House (Serial)....	4½	3,250 00
July 1, 1927	Street (Serial)	4½	2,000 00
July 1, 1927	Bridge (Serial)	4	400 00
July 1, 1927	Sewer (Serial) sep. system	4	1,000 00
July 1, 1927	Park (Serial)	4	1,000 00
Sept. 1, 1927	Park (Serial)	3½	2,000 00
Sept. 1, 1927	Street	4	25,000 00
Sept. 1, 1927	Building	4	30,000 00
Sept. 1, 1927	Hospital (Serial)	4½	3,000 00
Nov. 1, 1927	Street	4	10,000 00
Dec. 1, 1927	Sewer Sep. System (Serial)	4	500 00
Jan. 1, 1928	School House (Serial)....	4	3,250 00
Jan. 1, 1928	Street	4	34,000 00
July 1, 1928	School House (Serial)....	4½	3,250 00
July 1, 1928	Street (Serial)	4½	2,000 00
July 1, 1928	Bridge (Serial).....	4	400 00
July 1, 1928	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1928	Park (Serial)	4	1,000 00
Aug. 1, 1928	Street	4	42,000 00
Aug. 1, 1928	Hospital	4	20,000 00
Sept. 1, 1928	Park (Serial).....	3½	2,000 00
Sept. 1, 1928	Hospital (Serial)	4½	3,000 00
Dec. 1, 1928	School House.....	3½	40,000 00
Dec. 1, 1928	Sewer (Serial) sep. system	4	500 00
Jan. 1, 1929	School House (Serial)....	4	\$3,250 00
Mar. 1, 1929	Street	3½	20,000 00
July 1, 1929	School House (Serial)....	4½	3,250 00
July 1, 1929	Street (Serial)	4½	2,000 00
July 1, 1929	Bridge (Serial)	4	400 00
July 1, 1929	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1929	Park (Serial)	4	1,000 00
Sept. 1, 1929	Park (Serial)	3½	2,000 00
Sept. 1, 1929	Hospital (Serial)	4½	3,000 00
Nov. 1, 1929	Sewer	3½	42,000 00
Dec. 1, 1929	Sewer Sep. System (Serial)	4	500 00
Jan. 1, 1930	School House (Serial)....	4	3,250 00
Jan. 1, 1930	Street	3½	13,500 00

Amount carried forward.....\$4,916,750 00

<i>Amount brought forward</i>			\$4,916,750 00
Jan. 1, 1930	School House	3½	93,500 00
July 1, 1930	Sewer	3½	100,000 00
July 1, 1930	School House (Serial)....	4	120,000 00
July 1, 1930	Cambridge Hospital	4	95,000 00
July 1, 1930	Street	4	12,000 00
July 1, 1930	School House (Serial)....	4½	3,250 00
July 1, 1930	Street (Serial)	4½	2,000 00
July 1, 1930	Bridge (Serial)	4	400 00
July 1, 1930	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1930	Park (Serial)	4	1,000 00
Sept. 1, 1930	Park (Serial).....	3½	2,000 00
Sept. 1, 1930	Hospital (Serial)	4½	3,000 00
Dec. 1, 1930	Sewer Sep. System (Serial)	4	500 00
Jan. 1, 1931	School House (Serial)....	4	3,250 00
Mar. 1, 1931	Street	3½	27,000 00
Mar. 1, 1931	School House	3½	5,000 00
July 1, 1931	Street	3½	8,000 00
July 1, 1931	Street	3½	45,000 00
July 1, 1931	School House	4½	3,250 00
July 1, 1931	Street (Serial)	4½	2,000 00
July 1, 1931	Bridge (Serial)	4	400 00
July 1, 1931	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1931	Park (Serial).....	4	1,000 00
Aug. 1, 1931	Sewer	3½	110,000 00
Sept. 1, 1931	Park (Serial)	3½	2,000 00
Sept. 1, 1931	Hospital	4½	3,000 00
Dec. 1, 1931	Hospital	3½	4,000 00
Dec. 1, 1931	Sewer Sep. System (Serial)	4	500 00
Jan. 1, 1932	School House (Serial)....	4	3,250 00
Feb. 1, 1932	Street	3½	6,250 00
Feb. 1, 1932	School ..	3½	5,000 00
Mar. 1, 1932	Hospital	3½	25,000 00
Mar. 1, 1932	School House ..	3½	2,500 00
July 1, 1932	School House (Serial)....	4½	3,250 00
July 1, 1932	Street (Serial)	4½	2,000 00
July 1, 1932	Bridge (Serial)	4	400 00
July 1 1932	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1932	Park (Serial)	4	1,000 00
Aug. 1, 1932	Metropolitan Park Assn...	3½	46,000 00
Sept. 1, 1932	Park (Serial)	3½	2,00 00
Sept. 1, 1932	Street	3½	6,200 00
Sept. 1, 1932	Hospital (Serial)	4½	3,000 00
Nov. 1, 1932	Sewer	3½	20,000 00
Dec. 1, 1932	Sewer Sep. System (Serial)	4	500 00
Jan. 1, 1933	School House (Serial)....	4	3,250 00
Apr. 1, 1933	Sewer	3½	40,000 00
July 1, 1933	School House (Serial)....	4½	3,250 00
July 1, 1933	Street	4	4,000 00
July 1, 1933	Street (Serial)	4½	2,000 00
July 1, 1933	Bridge (Serial)	4	400 00
July 1, 1933	Sewer Sep. System (Serial)	4	1,000 00
<i>Amount carried forward</i>			\$5,747,050 00

<i>Amount brought forward</i>			\$5,747,050 00
July 1, 1933	Park Serial	4	1,000 00
Sept. 1, 1933	Park (Serial)	4	18,000 00
Sept. 1, 1933	Hospital (Serial).....	3½	1,000 00
Oct. 1, 1933	Sewer	4½	3,000 00
Dec. 1, 1933	Sewer Sep. System..	3½	20,000 00
Jan. 1, 1934	School House (Serial)....	4	500 00
May 1, 1934	Camb. Bridge Special..	4	3,250 00
	Loan	3½	28,000 00
May 1, 1934	Sewer	3½	112,000 00
July 1, 1934	Bridge (Serial)	4	400 00
July 1, 1934	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1934	Park (Serial)	4	1,000 00
Sept. 1, 1934	Park (Serial)	3½	1,000 00
Sept. 1, 1934	Hospital (Serial)	4½	\$3,000 00
Nov. 1, 1934	Sewer	3½	5,000 00
Dec. 1, 1934	Sewer Sep. System..	4	500 00
	(Serial)	4	3,250 00
Jan. 1, 1935	School House (Serial)....	3½	90,000 00
May 1, 1935	Sewer	4	100,00 00
July 1, 1935	Sewer, sep. system.....	4	1,000 00
July 1, 1935	Park (Serial)	4	1,000 00
Sept. 1, 1935	Park (Serial)	3½	1,000 00
Dec. 1, 1935	Sewer Sep. System (Serial)	4	500 00
Feb. 1, 1936	Park	4	100,000 00
May 1, 1936	Sewer	4	35,000 00
July 1, 1936	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1936	Park (Serial).....	4	1,000 00
Sept. 1, 1936	Sewer	4	25,000 00
Sept. 1, 1936	Park (Serial)	4	1,000 00
Dec. 1, 1936	Sewer Sep. System (Serial)	4	500 00
Apr. 1, 1937	Sewer	4	60,000 00
July 1, 1937	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1937	Park (Serial)	4	1,000 00
Sept. 1, 1937	Park	3½	100,000 00
Sept. 1, 1937	(Serial)	3½	1,000 00
Nov. 1, 1937	Sewer	4	10,000 00
Nov 1, 1937	Chas. River Improvement (Serial)	3½	50,000 00
Dec. 1, 1937	Sewer Sep. System (Serial)	4	500 00
June 1, 1938	Park	3½	50,000 00
July 1, 1938	Sewer Sep. System Serial)	4	1,000 00
July 1, 1938	Park (Serial)	4	1,000 00
Aug. 1, 1938	Park	3½	50,000 00
Aug. 1, 1938	Chas. River Improvement..	3½	50,000 00
Aug. 1, 1938	Sewer	4	25,000 00
Sept. 1, 1938	Park (Serial)	3½	1,000 00
Dec. 1, 1938	Sewer	4	17,000 00
Dec. 1, 1938	Sewer Sep. Sys. (Serial) ..	4	500 00
July 1, 1939	Cambridge Bridge	3½	50,000 00
July 1, 1939	Sewer Sep. System (Serial)	4	1,000 00
<i>Amount carried forward</i>			\$6,775,450 00

<i>Amount brought forward</i>				\$6,775,450 00
July 1, 1939	Park (Serial)	4		1,000 00
July 1, 1939	Sewer	3½		2,000 00
Aug. 1, 1939	Park	3½		100,000 00
Sept. 1, 1939	Park (Serial)	3½		1,000 00
Dec. 1, 1939	Sewer Sep. System (Serial)	4		500 00
Jan. 1, 1940	Sewer ..	3½		46,000 00
May 1, 1940	Sewer ..	4		15,000 00
July 1940	Cambridge Bridge	3½		100,000 00
July 1, 1940	Park	3½		50,000 00
July 1, 1940	Sewer	4		25,000 00
July 1, 1940	Playground	4		50,000 00
July 1, 1940	Sewer Sep. System (Serial)	4		1,000 00
July 1, 1940	Park (Serial)	4		1,000 00
Sept. 1, 1940	Park (Serial)	3½		1,000 00
Nov. 1, 1940	Park	3½		50,000 00
Dec. 1, 1940	Sewer Sep. System (Serial)	4		500 00
Feb. 1, 1941	Cambridge Bridge	3		100,000 00
Mar. 1, 1941	Sewer	3½		10,000 00
July 1, 1941	Playground	3½		15,000 00
July 1, 1941	Sewer	3½		10,000 00
July 1, 1941	Sewer	3½		10,000 00
July 1, 1941	Sewer Sep. System (Serial)	4		1,000 00
July 1, 1941	Park (Serial)	3½		1,000 00
Sept. 1, 1941	Park (Serial)	4		1,000 00
Oct. 1, 1941	Park	3½		100,000 00
Nov. 1, 1941	Cambridge Bridge	3½		100,000 00
Dec. 1, 1941	System Sewer	3½		10,000 00
Dec. 1, 1941	Playground	3½		30,000 00
Dec. 1, 1941	Sewer Sep. System (Serial)	4		500 00
July 1, 1942	Park	3½		48,000 00
July 1, 1942	Sewer Sep. System (Serial)	4		1,000 00
July 1, 1942	Park (Serial)	4		1,000 00
Aug. 1, 1942	Cambridge Bridge	3½		100,000 00
Sept. 1, 1942	Park (Serial)	3½		1,000 00
Sept. 1, 1942	Sewer	3½		15,000 00
Dec. 1, 1942	Sewer Sep. System (Serial)	4		500 00
Jan. 1, 1943	Cambridge Bridge	3½		50,000 00
Feb. 1, 1943	Sewer	3½		10,000 00
Feb. 1, 1943	Separate Sewer	3½		10,000 00
Apr. 1, 1943	Cambridge Bridge	3½		50,000 00
Apr. 1, 1943	Park	3½		50,000 00
July 1, 1943	Sewer	4		25,000 00
July 1, 1943	Sewer Sep. System (Serial)	4		1,000 00
July 1, 1943	Park (Serial) ..	4		1,000 00
Aug. 1, 1943	Cambridge Bridge.....	3½		50,000 00
Dec. 1, 1943	Sewer Sep. System (Serial)	4		500 00
Jan. 1, 1944	Cambridge Bridge	3½		100,000 00
May 1, 1944	Cambridge Bridge	3½		200,000 00
<i>Amount carried forward</i>				\$8,322,450 00

Amount brought forward.....\$8,322,450 00

July 1, 1944	Sewer Sep. System (Serial)	4	1,000 00
July 1, 1944	Park (Serial)	4	1,000 00
Aug. 1, 1944	Cambridge Bridge	3½	100,000 00
Sept. 1, 1944	Cambridge Bridge	3½	50,000 00
Sept. 1, 1944	Park	3½	25,000 00
Nov. 1, 1944	Park	3½	6,000 00
Dec. 1, 1944	Sewer Sep. System (Serial)	4	500 00
Apr. 1, 1945	Park	3½	5,000 00
May 1, 1945	Park	3½	45,000 00
May 1, 1945	Cambridge Bridge	3½	150,000 00
Aug. 1, 1945	Park	3½	5,000 00
Dec. 1, 1945	Cambridge Bridge	3½	100,000 00
Jan. 1, 1946	Cambridge Bridge	3½	20,000 00
Aug. 1, 1946	Cambridge Bridge	4	150,000 00
Aug. 1, 1946	Commercial Ave. Bridge..	3½	50,000 00
Sept. 1, 1946	Park	4	25,000 00
Sept. 1, 1946	Cambridge Bridge	4	5,000 00
Jan. 1, 1947	Cambridge Bridge	4	50,000 00
July 1, 1947	Cambridge Bridge	4	40,000 00
Oct. 1, 1947	Cambridge Bridge	4	15,000 00
Oct. 1, 1947	Park ..	4	10,000 00
Aug. 1, 1948	Cambridge Bridge	4	45,000 00
Aug. 1, 1948	Park	4	30,000 00
Nov. 1, 1948	Park	4	12,000 00
Jan. 1, 1950	Park	3½	8,800 00
July 1, 1950	Cambridge Bridge	4	20,000 00
Mar. 1, 1951	Park	3½	17,000 00
July 1, 1951	Park	3½	7,000 00
Dec. 1, 1951	Park ..	3½	6,200 00
Dec. 1, 1951	Bridge	3½	10,000 00
Mar. 1, 1952	Bridge	3½	10,000 00

Total\$9,341,950 00

The bonded water debt matures as follows:—

Apr. 1, 1915	4	.....	\$200,000 00
May 1, 1915	3½	(Serial)	12,500 00
July 1, 1915	4	(Serial)	2,000 00
July 1, 1915	4	(Serial)	1,500 00
Aug. 1, 1915	4	(Serial)	200,000 00
Sept. 1, 1915	3½	(Serial)	1,000 00
Nov. 1, 1915	4	(Serial)	500 00
Dec. 1, 1915	3½	(Serial)	1,000 00
Feb. 1, 1916	4	(Serial)	1,500 00
Mar. 1, 1916	4	(Serial)	500 00
Apr. 1, 1916	4	.....	100,000 00
May 1, 1916	3½	(Serial)	12,500 00
July 1, 1916	4	.....	200,000 00
July 1, 1916	4	(Serial)	500 00
July 1, 1916	4	(Serial)	1,500 00
Aug. 1, 1916	4	.....	100,000 00
Sept. 1, 1916	3½	(Serial)	1,000 00
Oct. 1, 1910	4	.....	265,100 00
Nov. 1, 1916	4	(Serial)	500 00
Dec. 1, 1916	3½	(Serial)	1,000 00
Feb. 1, 1917	4	(Serial)	1,500 00

Amount carried forward.....\$1,104,100 00

<i>Amount brought forward</i>			\$1,104,100 00
Mar. 1, 1917	4	(Serial)	500 00
Apr. 1, 1917	3½	.....	200,000 00
May 1, 1917	3½	(Serial)	12,500 00
July 1, 1917	3½	.....	100,000 00
July 1, 1917	4	(Serial)	1,500 00
July 1, 1917	4	(Serial)	2,000 00
Sept. 1, 1917	3½	(Serial)	1,000 00
Nov. 1, 1917	3½	(Serial)	75,000 00
Nov. 1, 1917	4	(Serial)	500 00
Dec. 1, 1917	3½	.....	140,000 00
Dec. 1, 1917	3½	(Serial)	1,000 00
Feb. 1, 1918	4	(Serial)	1,500 00
Mar. 1, 1918	4	(Serial)	500 00
May 1, 1918	3½	(Serial)	12,500 00
May 2, 1918	3½	.....	50,000 00
June 2, 1918	3½	.....	60,000 00
July 1, 1918	4	(Serial)	2,000 00
July 1, 1918	4	(Serial)	1,500 00
Sept. 1, 1918	3½	(Serial)	1,000 00
Nov. 1, 1918	3½	.....	50,000 00
Nov. 1, 1918	4	(Serial)	500 00
Dec. 1, 1918	3½	(Serial)	1,000 00
Feb. 1, 1919	4	(Serial)	1,500 00
Mar. 1, 1919	4	(Serial)	500 00
May 1, 1919	3½	(Serial)	12,500 00
July 1, 1919	4	(Serial)	2,000 00
July 1, 1919	4	(Serial)	1,500 00
Sept. 1, 1919	3½	(Serial)	1,000 00
Nov. 1, 1919	3½	.....	23,000 00
Nov. 1, 1919	4	(Serial)	500 00
Dec. 1, 1919	3½	(Serial)	1,000 00
Feb. 1, 1920	4	(Serial)	1,500 00
Mar. 1, 1920	4	(Serial)	500 00
May 1, 1920	3½	(Serial)	12,500 00
July 1 1920	4	(Serial)	2,000 00
July 1 1920	4	(Serial)	1,500 00
Sept. 1, 1920	3½	(Serial)	1,000 00
Nov. 1, 1920	3½	.....	30,000 00
Nov. 1, 1920	4	(Serial)	500 00
Dec. 1, 1920	4	(Serial)	1,000 00
Feb. 1, 1921	4	(Serial)	1,500 00
Mar. 1, 1921	4	(Serial)	500 00
May 1, 1921	3½	(Serial)	12,500 00
July 1, 1921	3½	.....	30,000 00
July 1, 1921	4	(Serial)	1,500 00
July 1, 1921	4	(Serial)	2,000 00
Sept. 1, 1921	3½	(Serial)	1,000 00
Nov. 1, 1921	4	(Serial)	500 00
Dec. 1, 1921	3½	(Serial)	1,000 00
Feb. 1, 1922	4	(Serial)	1,500 00
Mar. 1, 1922	4	(Serial)	500 00
May 1, 1922	3½	(Serial)	12,500 00
July 1, 1922	3½	.....	13,500 00
July 1, 1922	4	(Serial)	2,000 00
July 1, 1922	4	(Serial)	1,500 00
<i>Amount carried forward</i>			\$1,994,600 00

<i>Amount brought forward</i>			\$1,994,600 00
Sept. 1, 1922	3½	(Serial)	1,000 00
Nov. 1, 1922	3½	.....	5,000 00
Nov. 1, 1922	4	(Serial)	500 00
Dec. 1, 1922	3½	(Serial)	1,000 00
Feb. 1, 1923	4	(Serial)	1,500 00
Mar. 1, 1923	4	(Serial)	500 00
May 1, 1923	3½	(Serial)	12,500 00
July 1, 1923	4	(Serial)	2,000 00
July 1, 1923	4	(Serial)	1,500 00
Sept. 1, 1923	3½	(Serial)	1,000 00
Nov. 1, 1923	4	(Serial)	2,000 00
Dec. 1, 1923	3½	(Serial)	1,000 00
Feb. 1, 1924	4	(Serial)	1,500 00
Mar. 1, 1924	4	(Serial)	500 00
Apr. 1, 1924	4	.....	300,000 00
May 1, 1924	3½	(Serial)	12,500 00
July 1, 1924	4	(Serial)	2,000 00
July 1, 1924	4	(Serial)	1,500 00
Sept. 1, 1924	4	(Serial)	1,000 00
Nov. 1, 1924	4	(Serial)	500 00
Dec. 1, 1924	3½	(Serial)	1,000 00
Feb. 1, 1925	4	(Serial)	1,500 00
Mar. 1, 1925	4	(Serial)	500 00
May 1, 1925	3½	(Serial)	12,500 00
May 1, 1925	3½	.....	46,000 00
July 1, 1925	4	(Serial)	2,000 00
July 1, 1925	4	(Serial)	1,500 00
Sept. 1, 1925	3½	(Serial)	1,000 00
Nov. 1, 1925	4	(Serial)	500 00
Dec. 1, 1925	3½	(Serial)	1,000 00
Feb. 1, 1926	4	(Serial)	1,500 00
Mar. 1, 1926	4	(Serial)	500 00
July 1, 1926	4	(Serial)	2,000 00
July 1, 1926	4	(Serial)	1,500 00
Sept. 1, 1926	3½	(Serial)	1,000 00
Nov. 1, 1926	4	(Serial)	500 00
Dec. 1, 1926	3½	(Serial)	1,000 00
Feb. 1, 1926	½ 4	(Serial)	1,500 00
Mar. 1, 1927	4	(Serial)	500 00
July 1, 1927	4	(Serial)	2,000 00
July 1, 1927	4	(Serial)	1,500 00
Sept. 1, 1927	4	(Serial)	1,000 00
Nov. 1, 1927	4	(Serial)	500 00
Dec. 1, 1927	3½	(Serial)	1,000 00
Feb. 1, 1928	4	(Serial)	1,500 00
Mar. 1, 1928	4	(Serial)	500 00
June 1, 1928	4	.....	20,000 00
July 1, 1928	4	(Serial)	2,000 00
July 1, 1928	4	(Serial)	1,500 00
Sept. 1, 1928	3½	(Serial)	1,000 00
Nov. 1, 1928	3½	(Serial)	500 00
Dec. 1, 1928	3½	(Serial)	1,000 00
Feb. 1, 1929	4	(Serial)	1,500 00
Mar. 1, 1929	4	(Serial)	500 00
<i>Amount carried forward</i>			\$2,457,100 00

<i>Amount brought forward</i>				\$2,457,100 00
July 1, 1929	4	(Serial)	2,000 00	
July 1, 1929	4	(Serial)	1,500 00	
Sept. 1, 1929	3½	(Serial)	1,000 00	
Nov. 1, 1929	4	(Serial)	500 00	
Dec. 1, 1929	4	(Serial)	1,000 00	
Jan. 1, 1930	4		5,000 00	
Feb. 1, 1930	4	(Serial)	1,500 00	
Feb. 1, 1930	3½		5,000 00	
Mar. 1, 1930	4	(Serial)	500 00	
July 1, 1930	4	(Serial)	2,000 00	
July 1, 1930	4	(Serial)	1,500 00	
Sept. 1, 1930	3½	(Serial)	1,000 00	
Nov. 1, 1930	4	(Serial)	500 00	
Dec. 1, 1930	3½	(Serial)	1,000 00	
Feb. 1, 1931	4	(Serial)	500 00	
Mar. 1, 1931	4	(Serial)	500 00	
July 1, 1931	4	(Serial)	2,000 00	
July 1, 1931	4	(Serial)	1,500 00	
Sept. 1, 1931	3	(Serial)	1,000 00	
Nov. 1, 1931	4	(Serial)	500 00	
Dec. 1, 1931	3½	(Serial)	1,000 00	
Feb. 1, 1932	4	(Serial)	500 00	
Mar. 1, 1932	4	(Serial)	500 00	
July 1, 1932	4	(Serial)	2,000 00	
July 1, 1932	4	(Serial)	1,500 00	
Sept. 1, 1932	3½	(Serial)	1,000 00	
Nov. 1, 1932	4	(Serial)	500 00	
Dec. 1, 1932	3½	(Serial)	1,000 00	
Feb. 1, 1932	4	(Serial)	500 00	
Mar. 1, 1933	4	(Serial)	500 00	
July 1, 1933	4	(Serial)	2,000 00	
July 1, 1933	4	(Serial)	1,500 00	
Sept. 1, 1933	3½	(Serial)	1,000 00	
Nov. 1, 1933	4	(Serial)	500 00	
Dec. 1, 1933	3½	(Serial)	1,000 00	
July 1, 1934	4	(Serial)	1,500 00	
Sept. 1, 1934	3½	(Serial)	1,000 00	
Dec. 1, 1934	3½	(Serial)	1,000 00	
July 1, 1935	4	(Serial)	1,500 00	
Sept. 1, 1935	3½	(Serial)	1,000 00	
Dec. 1, 1935	3½	(Serial)	1,000 00	
May 1, 1936	4		280,000 00	
July 1, 1936	4	(Serial)	1,500 00	
Sept. 1, 1936	3½	(Serial)	1,000 00	
June 1, 1937	4		49,000 00	
July 1, 1937	4		25,000 00	
July 1, 1937	4	(Serial)	1,500 00	
Sept. 1, 1937	3½	(Serial)	1,000 00	
July 1, 1938	4	(Serial)	1,500 00	
Aug. 1, 1938	4		17,000 00	
July 1, 1938	4	(Serial)	1,500 00	
July 1, 1940	4	(Serial)	1,500 00	
May 1, 1941	3½		16,500 00	
<i>Amount carried forward</i>				\$2,906,100 00

<i>Amount brought forward</i>				\$2,906,100 00
July	1, 1941	4	(Serial)	1,500 00
Dec.	1, 1941	3 ½		10,000 00
July	1, 1942	4	(Serial)	1,500 00
July	1, 1943	4	(Serial)	1,500 00
July	1, 1944	4	(Serial)	1,500 00
Total				<hr/> \$2,922,100 00

REPORT OF THE FINANCE COMMITTEE

The annual report of the Committee on Finance is herewith submitted, it being for the financial year ending March 31, 1915.

Following is a summarized statement of the annual estimates as reported to the City Council at the beginning of the year:—

1 — General Government		\$151,182 42
2 — Protection to Life and Property.....		436,357 66
3 — Health and Sanitation		287,273 69
4 — Highways and Bridges		265,457 80
5 — Charities		103,249 60
6 — Soldiers' Benefits		33,000 00
7 — Education		692,932 78
8 — Libraries		39,030 91
9 — Recreation		38,835 00
10 — Cemeteries		21,000 00
11 — Interest		376,317 63
12 — Sinking Fund		268,676 58
13 — Serial Loans		62,200 00
14 — Unclassified		81,550 92
15 — Municipal Industries		379,961 26
		<hr/>
		\$3,231,026 25
Estimated Revenue	\$890,695 00	
Less Estimated School Revenue and Water Sur- plus, April 1, 1914.....	43,038 74	
		<hr/>
		847,656 26
		<hr/>
Leaving amount to be provided for.....		\$2,383,369 99

The Committee recommends that this amount be provided for: By assessment upon the polls and estates of the inhabitants of Cambridge, etc., for the current year, being the amount required for Municipal, School and Public Safety Departments for the year.

Orders were recommended in accordance with the foregoing estimates and the same were adopted by the City Council.

President Peter J. Nelligan of the Board of Aldermen, Alderman John P. Good and President Frank J. Lehan of the Common Council were appointed a sub-committee to count the cash in the treasury at the close of business on the last day of the financial year, March 31,

1915. They attended to the duty assigned to them and reported as follows:—

To the Committee on Finance.

Gentlemen: The sub-committee appointed to count and examine the cash in the hands of the City Treasurer at the close of business on March 31, 1915, would respectfully report as follows:—

Actual cash and business checks in City Treasurer's office amount to	\$6,757 56
Certificates of deposit, showing balances at the close of business March 31, 1915, to credit of the City Treasurer as follows:—	
1—Harvard Trust Company, of Cambridge.....	14,892 38
2—Cambridge Trust Co., Cambridge.....	15,644 74
3—Central Trust Company	15,566 69
4—Charles River National, Cambridge.....	14,308 83
5—National City Bank, Cambridge.....	2,130 85
6—Lechmere National, Cambridge	2,584 36
7—Guaranty Trust Company, Cambridge.....	14,163 87
8—Fidelity Trust, Boston	8,473 96
9—Commonwealth Trust, Boston.....	10,042 74
10—Liberty Trust, Boston	1,242 60
11—Old South Trust, Boston	4,210 75
12—Beacon Trust, Boston	3,362 04
13—Mass. Trust, Boston	5,485 39
14—Charlestown, Boston	590 38
	<hr/>
	\$119,457 14
Weekly payroll drawn but not charged.....	23,030 66
	<hr/>
Above amount correct	\$142,487 80

April 17, 1915.

After the above examination by your Committee, additional entries belonging to the financial year ending March 31, 1915, were made as follows:—

RECEIPTS

On account:—	
Street Department (Offal)	\$68 95
Court Fines	628 78
Licenses	25 00
City Home	170 10
City Farm	532 34
Licenses	130 30
City Clerk's Department	45 80
Auditor's Department	208 55
	<hr/>
	1,809 82
	<hr/>
Which added to the City Treasurer's cash balance as above makes a total of	\$144,297 62

EXPENDITURES

On account: —

City Clerk's Department(Salaries).....	\$25 00	
Weekly payroll (Draft No. 329)	23,030 66	
Teaming payroll (Draft No. 329A).....	9 00	
Ten day discount (Draft No. 330).....	34,532 50	
Water department, Maintenance to Sinking Fund (surplus revenue)	24,810 79	
Abatement	01	
Leaving a total of.....		82,407 96

Which deducted from the foregoing total of receipts shows a balance in the City Treasurer's hands as of March 31, 1915, of \$61,889 66
The Sub-Committee also examined the total cash receipts and expenditures as per City Treasurer's ledger and find the same to be as follows: —

Cash balance March 31, 1914.....	\$11,066 74
Cash receipts for the year ending March 31, 1915.....	5,346,375 82
Total cash for year ending March 31, 1915.....	\$5,357,442 56
Total cash expenditures for year ending March 31, 1915.....	5,295,552 90

Which deducted from total receipts shows a cash balance as of March 31, 1915 as above of..... \$61,889 66

The above statements of receipts and expenditures were verified by comparison with the City Auditor's statement for the year ending March 31, 1915. The Sub-Committee also examined the securities belonging to the Cemetery Fund and Sarah E. Russell Fund, both held in trust by the City Treasurer, and find the same to be correct.

PETER J. NELLIGAN,
JOHN P. GOOD,
FRANK J. LEHAN,

Sub-Committee on Finance.

The foregoing report was transmitted for inclusion in the general report of the Committee hereinbefore given.

PETER J. NELLIGAN,
JOHN P. GOOD,
WM. DANEHY,
JOHN L. McDONALD,
FRANK J. LEHAN,
WM. D. MULLEN,
JAMES F. WHALEN,
DENNIS P. KELLEHER,
WILLIAM R. McMENIMEN,
JOHN L. CROWLEY,

Committee on Finance.

REPORT OF TRUSTEES OF SANDERS TEMPERANCE FUND

The Trustees of this Board respectfully submit their forty-ninth Annual Report.

The sum of ten thousand dollars was received in the year 1864 from the executors of the will of Charles Sanders, a former resident of Cambridge. The amount was to be used by the city, who in turn was to apply the interest at the rate of 6 per cent., towards paying some worthy man a permanent salary as missionary in the cause of temperance, in reforming old drunkards and preventing young drunkards.

Mr. James Hicks, the present city missionary, has carried on the work for the past nineteen years, and it may be truthfully said that hundreds of families in this city could bear witness to the lasting benefits they have derived through his efforts. Many a drunkard has been turned about on a new road, and his advice and counsel have been sought on matters of temperance, not only at home but in neighboring cities as well. In the District Court he is a regular attendant and has made many successful appeals for victims of intemperance. Mr. Hicks has carried on the work unceasingly without any thought of publicity and has accomplished great good in our community. The salary paid as missionary is \$600 per year, being 6 per cent. of the ten thousand dollars, the amount of the bequest.

His report, which follows, states briefly the work that he is doing and the story of his years results.

TIMOTHY W. GOOD,
PETER J. NELLIGAN,
FRANK J. LEHAN,

Trustees of Sanders Temperance Fund.

April 1, 1915.

To the Trustees of the Sanders Temperance Fund:

Gentlemen:—In accordance with your requirements, I hereby present my annual report as missionary for the year ending March 31st, 1915.

Throughout the year I have devoted my full time and best thought to the carrying out of the desire of the philanthropic donor of the fund; namely, the saving of the old drunkard and the prevention of the young from the baneful habit of drink, also to prevent, as far as possible, the use of all kinds of alcoholic liquors.

In order to get results, I have labored through various channels.

The Third District Court, where I attend the daily sessions, may be termed the open door to opportunities to help and assist many.

I find them in the dock, about and around the court room, representatives of home that have been ruined through drink; wives, mothers, young and old, all sorts and conditions, seeking good advice and help in their trouble.

No morning passes without my being able in one way or another to render some little assistance to this unfortunate class of our people. I get their addresses, visit and advise the family; good results in very many cases follow.

Hundreds of homes have in this way been benefited during the year. The fathers take pledges from their pastors and myself. They attend the temperance meetings held weekly in the city, and work not only for their own reformation, but for that of the companions left behind in the bondage of the liquor habit.

The presiding judge and his associates all take a deep interest in the reforming of the life of the drunkard, and are always pleased when the probation officers and myself are able to make satisfactory reports.

I have attended over two hundred (200) public temperance meetings during the year, where the pledge of total abstinence is always offered at the meetings, and hundreds of young and old have availed themselves of the opportunity offered and become workers in the cause. At these meetings I always have a kind, sympathetic word for the unfortunate. An average of fifteen sign the pledge at these gatherings weekly, and most of them keep it.

My services have been sought after to speak at reform meetings in Everett, Gloucester, Hingham, Weymouth, Charlestown, Boston, Dorchester and other places.

Cambridge stands for temperance and these places like to hear of our success. Through our fidelity to the no-license cause they work to be like us and the cause has spread until today the hope of the temperance people all over the State is, "Prohibition of the Liquor Traffic."

I have for many years past made appeals to the charitable disposed through the Chronicle and the Tribune for cast-off clothing for needy poor, amongst whom I labor. I always meet with a ready response and this year I have been enabled to assist many almost naked families with this charity. Thanks to editors of both papers for their kindness in this good work.

Through the White Coal Fund, with the approval of the trustees, I have been enabled to send to many poor and needy families coal which has proven a God-given charity this hard winter.

I have collected thousands of pages of literature and have carried the same to the House of Correction, East Cambridge, and city institutions for reading amongst the inmates.

I have made one thousand four hundred and sixty-one visits (1,461) to homes in our city, where good advice was needed and where in many cases good results followed. In many of these homes I found deep trouble because of drunkenness. The families without, the father from drinking lost employment, and no food, no clothes, few articles of furniture, no coal, almost hopeless. I must do something in such cases. I could not walk out and leave them in their condition.

Thanks to the societies and churches that always respond in such case of need, when their attention is called to such conditions.

I have also a word of praise for the managers of many of our factories who come to my aid in giving employment—to men out of work.

Sobriety soon makes the home self-supporting and all goes on well again. I believe in the doing of the little things for these unfortunate ones. It does not take a great deal to make them feel happy, notwithstanding what they have passed through, and what they are enduring.

This has been a very successful year with us for temperance work generally. The reform clubs, Temple of Honor, and all other temperance organizations, are united on the temperance platform, as a result within this last three months seventy-five men, young and old, have become working members in the different organizations. This has been the result of persistent temperance work, and has given much encouragement to the old laborers in the cause of temperance.

All right-minded citizens rejoice in our continued no-license vote, and will continue in the future, as in the past, to guard well the goodly heritage left us by such men as Rev. Father Scully, Doctor McKenzie and others who have gone to their eternal rest.

May we be faithful as they in their day were faithful, and the God of all Grace will bless us for our fidelity as He blessed the work in their day.

Respectfully submitted,

JAMES HICKS,
Missionary Sanders Temperance Fund.

REPORT OF SEALER OF WEIGHTS AND MEASURES

To the Honorable, the City Council of the City of Cambridge:

In compliance with the City Ordinance I respectfully submit a report for the Department of Weights and Measures for the year ending March 31, 1915.

Appropriation \$6,360 00

EXPENDED

Salaries of Sealers:

Felix C. McBride.....	\$1,300 00	
Emory T. Morris.....	1,000 00	
Hugh H. Healey	1,100 00	
Joseph O'Neil	860 00	
	<hr/>	\$4,260 00

Assistants

Edward McBride	527 .50	
John D. Finnegan.....	95.50	
Michael J. Mahoney	65.00	
Cornelius Dinan	12.50	
	<hr/>	700 00

Street department for board.....	\$216 00	
Street department for shoeing.....	22 33	
S. Hickey for shoeing	1 96	
	<hr/>	240 29

Equipments

L. A. Stingel, hardware.....	\$8 58
W. & L. E. Gurley, dies.....	38 09
Union Stamp Works, dies.....	13 72
H. Pill & Bros., hardware.....	49
Moore & Hadley, hardware.....	7 64
Central Hardware C., Battery.....	25
A. W. Brownell, red paper seals.....	10 29
Owen Doherty, rep. on harness.....	20 20
T. H. Kneeland, rep. on wagon.....	32 54
John J. Haley, making sign.....	5 40
Harvard Coop. Soc., bag.....	6 77
Edwin R. Sage, sundries.....	3 55

H. E. Sawin's Express.....	15	
John J. BcKenzie, bay horse.....	225 00	
City Messenger Dep., stamps.....	11 40	
Boston Elevated, car tickets.....	40 00	
L. N. Brock, hardware.....	2 94	
Ford automobile	495 40	
Express charge	40	
Acme Seal Co., seals and presser.....	51 12	
		973 73

Equipments

Miss Littlefield	\$3.09	
The Chapple Pub. Co., printing	13 22	16 31

Office incidentals

N. E. Tel. & Tel. Co., service.....	24 25	
Mass. Highway Com., Reg. of Auto....	10 00	
“ “ “ “ “ “	10 00	
“ “ “ License	2 00	
Harvard Automobile Co.		
Stabling, gas and repairs.....	93 52	
Cambridge Sentinel, adv.....	9 80	
The Fairbanks Co., rep. scale.....	19 32	168 89
		\$6,359 22

Appropriation	\$6,360 00
Expenditures	6,359 22
Amount unexpended	78

REVENUE

Fees for sealing	722 19	
Fees for adjusting	69 20	
Weighing fees, W. A. Chyne.....	4 92	
		795 31
Total amount expended.....		\$6,359 22
Total amount collected.....		795 31
Net expense of Department		\$5,563 91
Estimate of revenue.....		800 00

TESTS MADE AT OFFICE FOR YEAR ENDING MARCH 31, 1915

Scales sealed	947	
Scales adjusted	46	
Scales condemned	54	
	<hr/>	1,047
Weights sealed	746	
Weights adjusted	49	
Weights condemned	29	
	<hr/>	824
Dry measures sealed.....	438	
Liquid measures sealed.....	1,587	
Liquid measures adjusted.....	84	
Liquid measures condemned.....	47	
	<hr/>	2,156
Ice cream measures		
Sealed	38,940	
Adjusted	89	
Condemned	203	
	<hr/>	41,860
Total number of tests made at office.....		42,967

TESTS MADE OUTSIDE OF OFFICE FOR YEAR ENDING
MARCH 31, 1915

Scales sealed	3,878	
Scales adjusted	614	
Scales condemned	161	
	<hr/>	4,653
Weights sealed	7,122	
Weights adjusted	314	
Weights condemned	89	
	<hr/>	7,525
Dry measures sealed	1,189	
Dry measures condemned	39	
	<hr/>	1,223
Liquid measures sealed	3,229	
Liquid measures adjusted.....	42	
Liquid measures condemned.....	82	
	<hr/>	3,353
Oil pumps sealed	128	
Oil pumps condemned	29	
	<hr/>	157
Yard measures scaled	248	
Yard measures condemned.....	22	
	<hr/>	270
Platform scales, 5000 lbs. capacity.....	89	
Platform scales, less than 5,000 capacity.....	890	
Slot weighing scales sealed.....	120	
Slot weighing machines condemned.....	9	
25 lb. bags of coal tested.....	1,585	
Tests made in store packages.....	2,492	
Tests made on street	760	
	<hr/>	5,945
		<hr/>
		23,126

Total number of tests outside of offices.....	23,126
Total number of tests at office.....	42,967
	<hr/>
Total number of tests made.....	66,093
Total brought forward.....	17,181

WEIGHTS AND MEASURES DEPARTMENT

INVENTORY OF PROPERTY

1 Balance — 5 grains to 100 lbs.	
1 Set (5) Avordupois Weights, 50-lb., 25-lb., 10-lb., 5-lb.	
1 Set (11) Avoirdupois Weights, 4 lb. to 1-16 oz.	
1 Kilogramme in case.	
1 Steel Meter in case.	
1 Brass Yard Measure.	
1 Set (5) Iron Dry Measures, 1-2 bush. to 1 quart.	
1 Set (6) Iron Liquid Measures, 1 gallon to 1 gill.	
1 Roll Top Desk.	
1 Black Walnut Desk.	
5 Chairs.	
1 Table.	
1 Clothes Press.	
1 Scale Cabinet.	
1 Wooden Cabinet.	
2 Benches.	
1 Sink.	
5 Mats	
1 Set Revised Laws.	
1 Set Card Records — Oak Case.	
1 Set Card Index — Oak Case.	
1 Hektograph.	
1 Letter Press.	
1 Blotter Bath.	
Miscellaneous Books	\$200 00
1 Bay Horse	225 00
1 Express Wagon	100 00
1 Light Wagon	85 00
1 Pung	23 00
2 Harnesses	70 00
3 Plush Robes	24 00
1 Stable Blanket	2 00
1 Rain Blanket	2 00
1 Woolen Blanket	8 00
1 Halter	75
1 Hitch Weight	50
1 Balance Scale	88 69
1 Platform Scale, 1-2 to 2,500 lbs.....	75 00
1 Folding Platform Scale, 1-4 lb. to 600 lbs.....	30 00
1 Balance, 1-10 milligramme to 500 grammes.....	35 00
1 Balance, 1-50 grain to 1-2 lb.....	15 00
1 Sealer's Balance, 1 grain to 100 lbs.....	150 00
2 Leather tool bags	9 50
1 Sealer's Balance. 1 grain to 8 lbs.....	50 00
2 Sealer's Trip Scales (not used).....	5 00
1 Spring Scale, 1 lb. to 125 lbs.....	1 00
2 Sets (19) Avoirdupois Weights, 4 lbs. to 1-8 oz.....	10 00

1 Set (9) Troy Weights, 16 oz. to 1-8 oz.....	3 00
1 Set (13) Metric Weights, 1 kilo to 1 gramme.....	5 00
5 Boxes Miscellaneous Weights (not standardized).....	10 00
1 Set (3) Iron Weights, 25-lb., 10-lb., 5-lb.....	5 00
40 50-lb. Weights	100 00
1 Arch	2 00
3 Glass Graduates	1 00
1 Set (21) Grain Weights, 1,000 Weights, 1,000 gr. to 1-1000 gr....	13 50
1 Set (21) Metric Weights, 50 gram to 1-10.....	13 50
1 Set (5) Copper Dry Measures, 1-2 bushel to 1 quart.....	45 00
1 Set (3) Brass Dry Measures, 1 quart to 1-2 pint.....	5 00
2 Sets (14) Copper Liquid Measures, 1 gal. to 1 gill.....	30 00
1 Yard Measure	1 50
1 Iron Truck	5 00
1 5-gal. Copper Measure	15 00
1 Steel Tape	10 00
1 Pair of Inside Colipers.....	3 50
1 Set Brands	3 00
1 Plumber's Furnace	5 00
Miscellaneous Tools	50 00
1 Wagon Scale (Lechmere Square)	400 00
1 Wagon Scale (Porter Road).....	400 00
	<hr/>
	\$2,335 44

COMPLAINT AND PROSECUTIONS.

This department is always pleased to receive complaints which are regarded as confidential and they are investigated to determine their individual merit. This department has caused seven persons to be summoned to court for violations of laws relating to short weight and measure and convictions and fines amount to \$85 have been paid.

INSPECTION.

Until recently the testing and sealing of weighing and measuring devices was practically the only work required of a sealer, but subsequent developments have proven conclusively that frequent inspection is a very important branch of the work.

I wish at this time to thank Emory T. Morris, Hugh H. Healey and Joseph O'Neil for their valuable assistance and hearty co-operation.

Respectfully submitted,

FELIX C. McBRIDE,

Sealer of Weights and Measures.

REPORT OF THE TRUSTEES OF THE BRIDGE CHARITABLE FUND

The following is the thirty-seventh annual report relative to this fund, as prepared by the City Treasurer:

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876), the amount of said fund came into the hands of the city. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars, one-third of the income was to be added to the principal and two-thirds of the income was to be paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the Board of Aldermen and the President of the Common Council.

The City Treasurer is custodian of the fund.

Amount of fund March 31, 1914.....	\$2,580 25
Interest to March 31, 1915.....	104 22

Total	\$2,684 47
-------------	------------

Two thirds of the income, amounting to \$69.48, was paid to the Overseers of the Poor, and the balance, \$34.74, was added to the principal, leaving a balance of \$2,614.99 in the hands of the City Treasurer. Said sum is deposited in the Central Trust Company and bears interest at the rate of four per cent. per annum.

HARRY F. LEHAN,
City Treasurer.

As all the essential facts in relation to this fund are recited in the report of the City Treasurer, the Trustees desire only to repeat suggestion embodied in previous reports, that other charitable persons may be disposed to add their contributions to the fund.

TIMOTHY W. GOOD,
PETER J. NELLIGAN,
FRANK J. LEHAN,
Trustees of the Bridge Charitable Fund.

REPORT OF THE SUPERINTENDENT OF STREETS

To the Honorable, the City Council:

Gentlemen—In accordance with the provisions of Chapter 25 of the Revised Ordinances of the city, the annual report of the Superintendent of Streets for the fiscal year ending March 31, 1915, is herewith submitted.

The regular appropriations of the department drawn from the tax levy are first treated and are followed by special appropriations which were provided by issues of bonds and special revenues.

BRIDGES

Appropriation		\$12,000 00
Transferred from Reserve Fund		300 00
Transferred from Revenue		378 68
Transferred from Sidewalk Repairs		600 00
Transferred by Auditor		170 23
		<hr/>
		\$13,448 91
Payroll, drawtenders	\$11,581 45	
Labor, First Street	9 00	
Labor, Sixth Street	57 75	
Labor, Walden Street	19 50	
Labor, Huron Avenue R. R.....	39 50	
Labor, Wellington Street	157 45	
Labor, Commercial Avenue.....	322 44	
Materials, First Street	551 01	
“ Third Street	82 06	
“ Sixth Street	204 17	
“ Walden Street	5 88	
“ Wellington Street	5 88	
“ Huron Avenue R. R.....	5 88	
“ Huron Avenue Pipeway.....	5 88	
“ Mt. Auburn Street	5 88	
“ Commercial Avenue	395 18	
	<hr/>	13,448 91

As the approaches to the First, Third and Sixth Street Bridges were paved with hexagonal wood blocks last year, but little repairs were made to these bridges outside of the draw leaves which were repaired as required. In February of the previous year, the ice breaker ran into First Street and the bill for repairs was paid from this year's

appropriation and the amount received from the firm owning the ice breaker was credited to this appropriation later. Wellington Street Bridge had to be repaired again this year and I believe will eventually have to be replaced by a more permanent structure at an early date.

The usual inspection of bridges was made by the City Engineer and is as follows:

On the Huron Avenue Bridge over the pipeway the steel work and fence on the Fountain Terrace side should be painted and repaired as it is in a dangerous condition. On the Huron Avenue Bridge over the railroad the lead covering on the sway bracing should be replaced and the steel floor beams should be spiked up to hold them in place. Sixth Street and Third Street need replanking on the draw leaves, and Commercial Avenue should be replanked at once as it is in a dangerous condition.

The Huron Avenue Bridges have both been redecked and paved with wood block during the year and are described below.

HURON AVENUE BRIDGES

Appropriation		\$4,000 00
Transferred by Auditor		9 90
		<hr/>
		\$4,009 90
Payroll	\$1,001 79	
Hardware, tools	97 30	
Lumber	1,456 05	
Iron work	497 23	
"Hex Block"	719 51	
Asphalt filler	133 79	
Mastic	104 23	
	<hr/>	4,009 90

Both of these bridges on Huron Avenue were entirely redecked and paved with "Hex" wood blocks this year. An examination during the summer exposed the condition of the underdeck on the railroad bridge and also that the sway bracing and sidewalk brackets were so badly eroded by the gases from the engines that immediate repairs were necessary. Accordingly, the entire bridge was stripped and new iron work replaced and fortified with concrete wherever needed. A new three-inch hard pine deck was laid on both bridges and covered with tar paper. Upon this was spread a hot bituminous mastic into which the wood blocks were imbedded. They were thoroughly grouted with pitch filler. New sidewalk timbers were furnished where needed, and both bridges are now in excellent condition. The extra cost of wood blocking these bridges will be more than offset by the length of

service. Spruce and pine laid in the old way are quickly eaten away and have to be replaced frequently at excessive cost. As these blocks are laid grain up and are waterproofed, they will wear many times longer and also preserve the deck underneath.

MT. AUBURN STREET BRIDGE

Appropriation		\$400 00
Transferred to Maintenance.....		314 19
		<hr/>
		\$85 81
Payroll	\$23 01	
Lumber	62 80	
	<hr/>	85 81

This appropriation was made in order that this bridge might be paved with the wood blocks that were in storage at the Hampshire Street yard. When the time arrived to raise the cap stone of the bridge it was found that the railroad tracks would not allow of the change and accordingly the project was abandoned and some minor repairs were made. The balance of the appropriation was turned into the General Maintenance account.

CLEANING STREETS

Appropriation		\$50,925 00
Transferred by Auditor		1,670 27
		<hr/>
		\$52,595 27
Payroll, general	\$20,464 04	
Payroll, section men	24,375 32	
Wagon repairs	68 43	
Teaming	4,732 50	
Hay	708 00	
Grain	1,077 19	
Straw	35 19	
Hardware, tools, etc.	540 93	
Harnesses, repairs, etc.	117 46	
Refilling machine brooms.....	179 34	
Machine sweeper repairs	61 72	
Gravel	111 96	
Compensation expense	30 00	
Road machine repairs	25 00	
Road oil	46 50	
Sundries	13 95	
Shoeing stock	1 37	
Lighting	6 37	
	<hr/>	52,595 27

SNOW REMOVAL

Appropriation		\$5,000 00
Transferred from Reserve Fund		500 00
Transferred by Auditor		1,621 79
		<hr/>
		\$7,121 79
Payroll, general	\$3,475 67	
Payroll, shovelling schoolhouses	421 57	
Payroll, section men	3,056 25	
Hardware, tools, etc.	160 95	
Salt	7 35	
	<hr/>	
		7,121 79

There has been no important change or improvement in the management of this division of the department. The usual cleaning work has been performed and the streets have been kept as clean as possible with the appropriation available.

I would recommend that the amount annually expended for the removal of snow from schoolhouse walks be reimbursed to this department by the School Department, as I feel that they are entitled to no particular work performed by this department which is not paid for.

I would also recommend that a sand spreader be purchased for spreading sand on the icy pavements during the winter. It could also be used in covering tarvia during the spring.

COLLECTION OF ASHES

Appropriation		\$62,500 00
Transferred by Auditor		1,060 39
		<hr/>
		63,560 39
Payroll	\$54,972 50	
Teaming	399 00	
Hay	2,047 43	
Grain	2,620 65	
Straw	225 42	
Hardware, tools, etc.	154 97	
Harnesses, repairs, etc.	249 38	
Wagon repairs	287 70	
Compensation expenses	108 00	
Horseshoeing and stock	439 95	
New equipment	165 00	
Salary of foreman	1,296 46	
Ash cart covers	70 07	
Dumping privileges	440 00	
Sundries	68 37	
Auto repairs and supplies	15 49	
	<hr/>	
		\$63,560 39

YEAR	Number of Cubic Yards Collected	Amount Expended	Unit of Cost Per Cubic Yard
1905	100,084	\$32,499 23	\$.324
1906	106,106	33,686 46	.316
1907	113,604	37,458 48	.329
1908	122,901	40,152 36	.319
1909	132,146	44,599 62	.337
1910	141,301	47,099 28	.333
1911	158,973	52,999 64	.333
1912	154,021	57,290 08	.372
1913	161,417	59,999 80	.371
1914	173,180	63,560 39	.367

It is evident from the figures above given that this branch of the work is bound to increase and is becoming one of the most important problems that this department has to deal with. In all the earlier reports, attention has been directed to the scarcity of dumping places and the need of providing some permanent places. In connection with this matter, the adoption of some more economical plan of transportation has also been recommended. I would again ask the City Council to give these matters attention.

The department has been exceedingly fortunate in maintaining the dumping places during the year. Throughout the entire fall and winter we have been able to dump in East Cambridge by hiring land, but now that this area has been filled, the material must be hauled greater distances. A new dump has been secured on the west abutment of Brookline Street Bridge in place of the east side, which has reached grade. It is expected that this will last two years.

The incinerators have been run continuously through the year, and the contractor has given excellent satisfaction. The city has derived \$900 in revenue from them this year.

I would again recommend the adoption of the power-driven truck, as I have looked into the merits of several designed for this kind of work and feel that they would effect a great saving in the long hauls.

An investigation has also been made into the feasibility of dumping a large percentage of the material into scows and disposing of it at sea, but on account of the excessive initial and maintenance costs, it was not recommended.

A rearrangement of the routes is proposed for the coming winter as the section usually taken Tuesdays is now so large that our equipment cannot handle it in one day, and the material is frequently left out until Thursday.

STREET WATERING

Appropriation		\$35,000 00
Transferred from Reserve Fund		5,000 00
		<hr/>
		\$40,000 00
Payroll, general	\$1,431 57	
Payroll, clerical work	113 00	
Salary of foreman	1,150 78	
Sprinkling payroll	13,626 28	
Hardware, tools, etc.	30 99	
Watering cart renewals and repairs	197 18	
Standpipe repairs	303 83	
New equipment	247 87	
Special road treatment.....	22,378 72	
Teaming	501 00	
	<hr/>	39,981 22
Balance		<hr/>
		\$18 78

The following table shows the kind and amount of the various road oils applied to the streets during the season:

Kind.	No. of gals.
Amber road oil	68,565
Currola road oil	89,880
Dustoline	18,408
Indian Liquid Asphalt	19,606
Tasscoils	62,842
Texaco	8,251
	<hr/>
	267,552
Standard "40" applied to 54,000 square yards cost.....	\$594 00
Calcium Chloride, 2,100 lbs., cost.....	22 64

The storage tank and pump were installed at Raymond Street Yards early in the year. It is set up on three concrete piers and will contain 10,000 gallons. The steam pump has been connected with the crusher boiler, and a tank car can be unloaded in about three hours. The road oil can be drawn off into the distributor wagons at will and the advantage is marked. A similar arrangement on the Boston & Albany Railroad should be constructed the coming year so that the eastern and central parts of the city can be oiled from storage.

We have endeavored to give every macadam street in the city at least one application of oil, and in many cases two and three have been given. More oil has been used than in any previous year, and I believe that the citizens in general are practically unanimous in preferring it over water.

It is expected that the spring cleaning will be completed earlier this season, and I propose to immediately oil the streets thereafter.

CROSSINGS

Appropriation		\$1,000 00
Transferred to Pensions		288 54
		<hr/>
		\$711 46
Payroll	\$582 78	
Teaming	9 00	
Cement	46 25	
Gravel	73 43	
	<hr/>	711 46

Some few new crossings were put in during the year and several old ones were repaired.

SIDEWALK REPAIRS

Appropriation		\$8,000 00
Transferred to Pensions	\$108 07	
Transferred to Maintenance	296 54	
Transferred to Bridges	600 00	
	<hr/>	1,004 61
Balance		<hr/>
		\$6,995 39
Payroll	\$5,755 13	
Teaming	337 50	
Hardware, tools, etc.	21 08	
Bricks	355 65	
Gravel	191 19	
Lighting	13 53	
Repairs, to art. stone walks	4 80	
Edgestone	106 76	
Bitulithic repairs	209 75	
	<hr/>	6,995 39

This appropriation was expended for repairs to brick sidewalks and straightening curbing. Considerable of it has been expended for replacing bricks and edgestones where the Park Department has taken out dead trees. There are many of these tree holes still unfilled and I would recommend that the appropriation be increased so that much more of this work can be done the coming year.

EDGESTONES AND SIDEWALKS

Payroll	\$5,834 47	
Teaming	188 25	
Grain	121 01	
Hardware, tools, etc.	240 53	
Bricks	3,247 04	
Edgestones	1,750 96	
Gravel	335 53	
Rebates, art. stone walks	1,461 45	
Lighting	56 18	
	<hr/>	13,245 42

No loan appropriation was made for this work this year. The amount expended represents the revenue from previous years which was reappropriated.

There is quite a number of uncompleted orders for edgestones and brick walks in the files and it will be necessary to make a loan in the spring to finish this work. The demand for granolithic walks continues to increase, and I would recommend that some plan be devised so that this class of work could be done by this department and the cost assessed to the abutters.

PENSIONS

Appropriation		\$3,086 76
Transferred from sundry appropriations		461 21
		<hr/>
		\$3,547 97
Weekly payrolls	\$2,947 97	
Monthly pay roll	600 00	
	<hr/>	3,547 97

This amount represents the pensions paid to both laborers and veterans under the Legislative acts. Three new ones were added to the list during the year.

HORSES AND AUTOMOBILES

Appropriation		\$3,000 00
Horses	\$2,176 50	
Automobiles	823 50	
	<hr/>	3,000 00

Several new horses were added to the stables during the year and some old ones were exchanged that were no longer useful for the laborious work of the department.

Two Ford runabouts were purchased for the use of the foremen and one old Buick runabout exchanged. The touring car now used by the Superintendent should be exchanged for a new car early in the spring.

MAINTENANCE GENERAL

Appropriation	\$78,800 00
Transferred for Horse board, Park Dept.....	432 00
Transferred for Horse board, Sealer Weights and Measures....	216 00
Transferred from Reserve Fund.....	600 00
Transferred from Revenue	297 38
Transferred from Sidewalk Repairs	296 54
Transferred from Mt. Auburn Bridge.....	314 19
Transferred by Auditor	4,927 69
	<hr/>
	\$85,883 80

Payroll, fixed charges	\$30,590 66	
Payroll, street work	25,514 09	
Teaming	996 75	
Hay	611 52	
Grain	832 12	
Straw	120 94	
Hardware, tools, etc.	627 29	
Harnesses, repairs, etc.	465 76	
Lumber	1,141 57	
Horseshoeing stock and tools	228 39	
Steam roller, repairs and supplies.....	1,262 78	
Stone crusher, repairs and supplies.....	241 11	
Fieldstone	51 35	
Crushed stone	7,985 37	
Gravel	305 90	
Fuel	1,370 22	
Compensation expenses	224 00	
Street signs	203 66	
Lighting	633 62	
Telephones and office supplies	577 13	
Additions and repairs to yards and stables.....	464 24	
Auto hire	50 00	
New equipment	514 68	
Carriage and wagon repairs	82 98	
Painter's supplies	410 67	
Stable supplies	471 76	
Special road treatment	4,361 29	
Cement	10 46	
Sundries	310 20	
Auto repairs and supplies	1,261 21	
Bitulithic repairs	3,962 08	
		85,883 80

It will be seen from the above items that the greater part of the appropriation is expended for the running expenses of the department. The amount for rebuilding and patching streets is necessarily limited. However, a considerable amount of new work was completed and a large amount of patching was accomplished. There was a large amount of patching and surfacing done on bitulithic streets which were out of guarantee. This was the first amount of any size expended on the entire area.

I would recommend that the carpenter, paint and blacksmith shops at the Hampshire Street yard be replaced by a concrete structure and that all the buildings in the yard be heated from one central plant as the expense of heating them individually is very high.

Provision will have to be made for all laborers and possibly all others the coming year for two weeks' vacation.

I would recommend the purchase of one of the new scarifying rollers, as they are great savers of labor and would tend to increase the amount of work possible to be done.

MACADAM RESURFACING

STREET	Labor	Teaming	Steam Roller	Crushed Stone	Filling	Total	Square Yards
Cogswell Avenue, entire	\$55 70	\$120 00	\$42 00	\$50 85	\$300 00	\$568 55	2,000
Cottage Park Avenue, entire	20 00	42 00	7 00	15 00	112 50	196 50	783
Day Street, entire	20 00	36 00	7 00	20 48	90 00	173 48	863
Edmunds Street, entire	17 50	24 00	7 00	15 00	90 00	153 50	535
Mead Street, entire	20 00	42 00	7 00	18 00	114 00	201 00	814
Pemberton Street, entire	127 50	156 00	42 00	72 15	366 00	763 65	1,666
Porter Road, back of Park	33 60	132 00	49 00	47 85	264 00	526 45	1,855
Porter Road, entire	112 50	138 00	21 00	26 18	355 50	653 18	1,661
Raymond Street, Richdale Avenue to Walden	19 20	84 00	21 00	33 15	222 00	379 35	1,111
Regent Street, entire	25 00	60 00	7 00	27 53	153 00	269 53	653
Russell Street, entire	12 50	24 00	7 00	17 40	67 50	128 40	389
Tannery Street, entire	210 00	246 00	77 00	74 48	412 50	1,019 98	2,000
Yerxa Road, entire							
Totals	\$673 50	\$1,104 00	\$294 00	\$418 07	\$2,547 00	\$5,033 57	14,330

Filling all from Massachusetts Avenue Construction.

BITUMINOUS MACADAM RESURFACING

STREET	Labor	Teaming	Steam Roller	Crushed Stone	Bituminous Binder	Total	Square Yards	Cost Per Sq. Yd.
Fourth St., from Bridge to Winter ..	\$124 39	\$3 00	\$21 00	\$203 07	T \$112 23	\$473 69	1,112	\$0.425
Mass. Ave., from Vernon to Wood Blocks	6 98		7 00	24 45	BB 56 00	94 43	160	0.590
Norfolk St., from Broadway to Harvard	109 50	6 00	42 00	236 32	T 176 56	570 38	1,556	0.360
Pleasant St., from Mass. Ave. to West-								
ern Ave.	189 68	45 25	49 00	433 72	BB 553 00	1,270 65	2,445	0.520
Second St., from Cambridge to Gore..	59 03	6 00	28 00	137 70	T 96 00	326 73	1,112	0.293
Totals.....	\$499 58	\$60 25	\$147 00	\$1,035 26	\$993 79	\$2,735 88	6,385	

T=Tarvia X.
BB=Standard Binder B.

MAINTENANCE SALARIES

Appropriation		\$6,704 00
Transferred by Auditor		127 52
		<hr/>
		\$6,831 52
Superintendent	\$2,355 02	
Chief clerk	1,500 00	
Office clerks	1,908 00	
Yard clerks	1,068 50	
	<hr/>	6,831 52

The amount expended represents the salaries of the Superintendent of Streets and the executive office force.

RECONSTRUCTION OF MASSACHUSETTS AVENUE

Appropriation		\$95,000 00
Transferred from B. & C. Bridges Reconstruction.....		2,813 37
“ “ Binney Street		436 25
“ “ State Street		621 40
“ “ Broadway		47 80
“ “ Ninth Street		41 48
“ “ Walden Street Bridge		450 00
“ “ Inman Square		1,013 81
		<hr/>
		\$100,424 11
Payroll	\$25,190 00	
Teaming	2,941 50	
Hay	419 92	
Grain	143 24	
Hardware, tools, etc.	407 25	
Harnesses, repairs, etc.	1 47	
Gravel	1,291 06	
Cement	1,576 06	
Lumber	2 64	
Concrete stone	453 66	
Crushed stone	598 07	
Bitulithic surface	33,669 05	
Fuel	99 25	
Lighting	279 47	
Wood block	33,118 79	
Expansion joints	226 63	
Sundries	4 90	
	<hr/>	100,422 96
Balance		<hr/>
		\$1 15

MASSACHUSETTS AVENUE

This job was the largest and most important ever done in the history of the department. It consisted of resurfacing with bitulithic pavement the old Hassam pavement and laying wood block in place of the old tar macadam surface.

In 1907 Hassam pavement was laid on both sides of Massachu-

setts Avenue from Mount Vernon Street to the Railroad Bridge and on the west side from the bridge to the Arlington line and on the east side from the Bridge to Blake Street. There were approximately 22,000 square yards. This surface has been repaired every year since its original construction and had reached such a stage this year that further repairs were not feasible. Urgent demands for its reconstruction were made by business interests, automobilists and the public generally. Accordingly, it was decided to cover the entire surface with a two-inch top of bitulithic after filling up most of the deeper holes. In order to get a proper bearing for this top, we removed the "stretcher block" along the rail and laid them back the long way out, tilting them so that they were two inches above the rail grade at the outer edge. The surface was then applied and given sufficient crown to drain properly. This naturally raised the gutter margin and in some places it came within one or two inches from the top of the curb. However, the entire experiment was a complete success and the street is now in first-class condition. It is laid under the usual five-year guaranty. There was also a triangular area at the junction of Somerville Avenue and Massachusetts Avenue which had been laid with tar some years ago. The tar surface was stripped off and bitulithic laid on the old crushed stone base. This was not in the original estimate. In all there were 22,452 square yards of this work. The department forces made ready the surface and Warren Brothers laid the bitulithic top.

On the east side of the Avenue, commencing where the Hassam left off at Blake Street, and continuing to the Arlington line, a tar macadam road was built in 1909. There is voluminous traffic on this street, especially during the summer months, as it is the main artery leading directly into Boston from the towns north of us. Beneath this tar street is the Telford foundation laid in 1898, consisting of heavy sections of ledge rock laid side by side and from five to six inches below the finished grade. This tar surface was removed and used to resurface side streets in the immediate vicinity. There were 14,330 square yards done from this material. On account of this Telford being so close to the top, but little concrete was required and the wood blocks were laid on a sand cushion directly on top of it. There were approximately 15,000 square yards of this work and most of it is laid in sand joints instead of the usual cement grout. Expansion joints of moulded asphalt strips have been placed transversely and at the curb.

The railway company replaced some of its rail but did not change their paving between the rails, although the middle strip was relaid by the city.

The entire job presents a beautiful appearance and has elicited much praise from that entire section of the city. The original appropriation of \$35,000 was for the resurfacing of the Hassam surface and was followed later by \$60,000 for the wood area. Extra areas not in the original estimates required the transfer of unexpended balances of other streets, bringing the entire cost to over \$100,000. The funds were provided by ten year serial bonds.

RECONSTRUCTION OF WESTERN AVENUE

PLEASANT STREET, WESTERLY.

Appropriation		\$10,000 00
Reappropriated from 1913		2,355 26
		<hr/>
		\$12,355 26
Payroll	\$6,975 78	
Teaming	912 00	
Grain	120 17	
Hardware, tools, etc.	120 17	
Gravel	640 61	
Cement	2,265 16	
Lumber	4 90	
Vitrified blocks	69 50	
Concrete stone	343 48	
Crushed stone	395 65	
Lighting	164 39	
Asphalt filler	6 80	
	<hr/>	
		12,355 15
		<hr/>
Balance		\$ 11

The work of repaving this avenue was taken up at the point of completion of the previous year's work at Pleasant Street and was continued up to the east line of Jay Street. This was as far as we could go as the appropriation was exhausted. As last year, the blocks were barred out and a five-inch concrete base laid and the same blocks turned over and set back and grouted after filling the joints with pea stone.

The rest of the avenue up to the bridge is in immediate need of repaving and I shall recommend the continuance of this work the coming year. The funds of this job were provided by an issue of ten-year serial bonds.

CONSTRUCTION OF STATE STREET, OSBORN TO MASS. AVENUE.

Appropriation		\$12,600 00
Transferred to Sixth Street		3 19
		<hr/>
		\$12,596 81
Payroll	\$4,200 58	
Teaming	1,053 00	
Hay	91 58	
Straw	121 01	
Hardware, tools, etc.....	43 51	
Gravel	330 48	
Cement	1,217 50	
Granite blocks	4,132 95	
Concrete stone	442 87	
Edgestones	341 93	
	<hr/>	11,975 41
Balance transferred to Mass. Ave.....		\$621 40

State Street is now paved entirely with New Hampshire granite blocks of the four-inch depth with the exception of the crossing of Windsor Street, where it was not deemed advisable to destroy the good tar street there. The improved condition of this street is greatly appreciated by the manufacturers in that section. The funds for its construction were provided by an issue of ten-year serial bonds.

CONSTRUCTION OF SIXTH STREET, BINNEY TO CHARLES.

Appropriation		\$11,700 00
Transferred by Auditor		3 19
		<hr/>
		\$11,703 19
Payroll	\$3,916 57	
Teaming	1,002 75	
Grain	242 02	
Hardware, tools.	125 53	
Gravel	240 98	
Cement	673 93	
Granite blocks	4,888 35	
Concrete stone	396 24	
Edgestone	130 22	
Lighting	44 35	
Dumping privilege	42 25	
	<hr/>	\$11,703 19

Sixth street between these points was in extremely bad condition and needed the five-inch Rockport granite block urgently. The usual concrete base and grouted top was given this job and the street conforms to Binney Street, which it crosses. The entire business section

of the street is now complete north of Broadway and similar surface should be laid at an early date on the section between Broadway and Harvard Street. The funds of this job were provided by an issue of ten-year serial bonds.

BINNEY STREET, SIXTH STREET TO RAILROAD CROSSING.

Appropriation		\$13,700 00
Transferred from other appropriations.....		1,592 66
		<hr/>
Total		\$15,292 66
Payroll	\$4,435 04	
Teaming	1,088 25	
Hay	88 13	
Grain	121 01	
Straw	115 54	
Hardware, tools, etc.....	110 46	
Gravel	413 52	
Cement	880 57	
Granite blocks	6,276 40	
Concrete stone	435 66	
Crushed stone	5 60	
Edgestone	741 98	
Lighting	60 00	
Dumping privilege	84 25	
	<hr/>	14,856 41.
Balance transferred to Mass. Ave.....		<hr/> \$436 25

GRANITE BLOCK PAVEMENT

Binney Street was completed this year from Sixth Street to the Railroad Crossing with five-inch Rockport granite blocks on the usual five-inch concrete base. The job was grouted with cement after the joints were filled with pea stone. This entire street is now complete with granite from end to end. The first section, from Portland Street to the Railroad Crossing, was done with New Hampshire granite blocks on gravel base. The next piece, from First Street to Commercial Avenue, was done with five-inch Rockport granite blocks on concrete in 1912, and the remainder from First Street to Sixth Street was completed with second-hand blocks from the lower end of Broadway and Massachusetts Avenue around Central Square. These were laid on concrete and grouted in 1913. The traffic over this street is heavy, but on account of the rugged construction should need but little attention for some years to come. The funds for this work were provided by an issue of ten-year serial bonds.

CAMBRIDGE STREET.

Appropriation		\$50,000 00
Payroll	\$14,357 27	
Teaming	3,243 00	
Hay	999 42	
Grain	288 95	
Hardware, tools, etc.....	161 25	
Gravel	905 44	
Cement	2,752 77	
Lumber	113 84	
Concrete stone	1,704 15	
Crushed stone	222 62	
Fuel	26 88	
Lighting	83 17	
Sundries	14 70	
Wood blocks	24,774 27	
Expansion joints	231 77	
Asphalt filler	72 53	
Dumping privilege	47 50	
		<hr/>
		49,999 53
Balance		<hr/>
		\$ 47

Cambridge Street, from Bridge Street to the Railroad Crossing, is now paved with wood block on the usual five-inch concrete base. The old granite blocks have been taken out and are now piled on the riverfront lot and will be used on manufacturing streets in the vicinity. The track strip has not been changed but the middle strip was relaid.

There is a slight grade between Fifth Street and Second Street and instead of the usual block of the three and one-half inch width a block of four-inch width was laid and between the rows were placed creosoted strips one quarter of an inch in width and three inches deep. This makes a space between rows of blocks so that the danger of slipperiness on the grade is largely obviated. This type of construction has been found successful in other cities and but little complaint has been heard. On the other hand, the business interests have expressed their approval of the improvement in the street and find that it is far less noisy and much easier to keep clean than the old granite.

INMAN SQUARE.

Appropriation	\$8,000 00
Transferred to Mass. Ave.....	1,013 81
	<hr/>
	\$6,986 19

Payroll	\$1,580 63	
Teaming	255 00	
Gravel	106 46	
Cement	425 40	
Concrete stone	144 65	
Wood blocks	4,380 00	
Expansion joint	94 05	
		<hr/>
		6,986 19

There were approximately 2,000 square yards of this important business square replaced with wood blocks. The old granite pavement had become very rough and was past relaying.

The improvement should be continued next season and that part of Hampshire Street lying north of Inman Square to the Somerville line should be permanently paved at that time.

CONSTRUCTION OF NINTH STREET.

Appropriation		\$10,000 00
Transferred to Mass. Ave.....		41 48
		<hr/>
		\$9,958 52
Payroll	\$3,333 47	
Teaming	985 50	
Hardware, tools, etc.....	62 87	
Gravel	297 64	
Cement	697 30	
Lumber	29 74	
Vitrified bricks	4,100 50	
Concrete stone	383 26	
Asphalt filler	40 49	
Dumping privilege	27 75	
		<hr/>
		9,958 52

The section of Ninth Street between Cambridge Street and Spring Street was completed with vitrified bricks.

The usual five-inch concrete base was laid and a two-inch sand cushion. Four-inch shale bricks were then laid and grouted. The street is an important outlet to the business places along the railroad.

BITUMINOUS MACADAM WORK.

The following streets have been constructed with bituminous macadam under five-year loan money. The provisions of the new municipal finance act made it possible to raise money in this way and it has resulted in our being able to extend our bituminous macadam areas.

The majority of the work has been constructed with Tarvia and the balance with the Standard "B" Binder.

BITUMINOUS MACADAM, BENT STREET, THIRD STREET TO SIXTH STREET.

Appropriation		\$3,600 00
Transferred to Vine Street.....		90 44
		<hr/>
		\$3,509 56
Payroll	\$1,675 47	
Teaming	295 50	
Crushed stone	936 28	
Fuel	7 06	
Tarvia	578 96	
Dumping privilege	15 75	
	<hr/>	3,509 02
Balance		<hr/>
		\$ 54

BITUMINOUS MACADAM, CUSHING STREET.

Appropriation		\$3,800 00
Payroll	\$1,378 84	
Grain	128 42	
Crushed stone	1,224 96	
Fuel	33 18	
Tarvia	1,032 56	
	<hr/>	3,797 96
Balance		<hr/>
		\$2 04

FRANCIS AVENUE AND IRVING STREET.

Appropriation		\$5,000 00
Payroll	\$2,013 12	
Teaming	6 00	
Hay	96 80	
Cement	46 25	
Crushed stone	1,602 08	
Sidewalk bricks	9 60	
Lighting	24 30	
Special road treatment	938 00	
Tarvia	263 79	
	<hr/>	4,999 94
Balance		<hr/>
		\$ 06

This was the newer part of Francis Avenue and Irving Street and commenced at Bryant Street and extended around in a half circle to Bryant Street.

FRANCIS AVENUE EXTENSION.

Appropriation		\$412 50
Payroll	\$187 35	
Crushed stone	225 15	
	<hr/>	412 50

This was an extension of Francis Avenue which was paid for by subscriptions from private parties as the place is not an accepted street.

BITUMINOUS MACADAM—LEXINGTON AVENUE, BRATTLE STREET
TO HURON AVENUE.

Appropriation		\$4,000 00
Transferred by Auditor.....		7 32
		<hr/>
		\$4,007 32
Payroll	\$1,208 47	
Crushed stone	1,613 02	
Fuel	28 50	
Lighting	17 97	
Tarvia X	453 36	
Binder "B"	686 00	
	<hr/>	4,007 32

This street is constructed with Standard Binder "B" about 250 feet north of Brattle Street and the remainder with Tarvia "X."

BITUMINOUS MACADAM—VINE STREET, THIRD TO SIXTH.

Appropriation		\$3,600 00
Transferred from Bent Street.....		90 44
		<hr/>
		\$3,690 44
Payroll	\$923 23	
Teaming	78 00	
Crushed stone	1,887 99	
Fuel	4 68	
Tarvia	796 54	
	<hr/>	\$3,690 44

BITUMINOUS MACADAM—WINTER STREET, THIRD TO FIFTH.

Appropriation		\$2,500 00
Transferred to Lexington Ave.....		7 32
		<hr/>
		\$2,492 68
Payroll	\$696 37	
Teaming	36 00	
Crushed stone	975 71	
Fuel	16 37	
Tarvia	768 23	
	<hr/>	2,492 68

BITUMINOUS MACADAM—5 YEAR BONDS

STREET	Bent St. from Sixth to Third	Cushing from Belmont to Huron Ave.	Francis Ave. and Irving St.	Lexington Ave. from Brattle to Huron Ave.	Vine St. from Third to Sixth	Winter St. from Third to Fifth
Payroll	\$1,675.47	\$1,378.84	\$2,013.12	\$1,208.47	\$923.23	\$651.12
Teaming	295.50	.....	6.00	.....	78.00	36.00
Hay and Grain .....	.....	128.42	96.80	.....	.....	.....
Cement .....	.....	.....	46.25	.....	.....	.....
Crushed Stone	936.28	1,224.96	1,602.08	1,613.02	1,887.99	975.71
Fuel	7.06	33.18	.....	28.50	4.68	16.37
Sidewalk Bricks .....	.....	.....	9.60	.....	.....	.....
Lighting .....	.....	.....	24.30	17.97	.....	.....
Bituminous Binder	578.96	1,032.56	1,201.79	1,139.36	796.54	768.23
Dumping Privilege	15.75	.....	.....	.....	.....	.....
Total Cost	\$3,509.02	\$3,797.96	\$4,909.94	\$4,007.32	\$3,690.44	\$2,447.43
No. of Square Yards	6667	5474	3893	5343	7222	3626

HOUSE OFFAL—LABOR.

Appropriation	\$41,162 19
Weekly payrolls, including pensions	41,162 19
	<hr/>
	\$ 00

This amount represents the amount expended for weekly payrolls. I should recommend that a separate appropriation be made the coming year for pensions in this division as I believe that this charge should not be made on the Collection of House Offal.

HOUSE OFFAL EXPENSES.

Appropriation		\$8,206 51
Shoeing	\$1,037 41	
Hay	3,028 19	
Grain	1,899 30	
Hardware, tools, etc.	40 98	
Wagon repairs	794 80	
Horses	595 60	
Lumber	127 83	
Harnesses, repairs, etc.	345 27	
Painters' supplies	211 34	
Lighting	9 57	
Repairs and supplies, stables.	48 36	
Sundries	67 78	
	<hr/>	8,206 51

On the 14th of January, 1915, the Collection and Disposal of House Offal was turned over to this department by executive order of his honor, the Mayor, and later by a change of the City Ordinance.

A complete change in the method of accounting for the sale was introduced and sales tickets and daily reports to the City Treasurer were adopted. A card ledger has been made to keep the individual accounts in. There is considerable revenue due the department at present, due to the general quarantine on hogs, as some of the customers are temporarily unable to sell their stock, but the greater part of it is good and the books are in good condition.

During the entire year there were 2,672.42 cords of offal sold at the Station and the total receipts were \$13,993.10.

I would recommend that the stable at the Offal Yard be entirely rebuilt, as it is in a state of almost complete delapidation. If this is done, the foreman's office should be placed there and conveniences added for the men.

I should also recommend the gradual adoption of the iron-body wagon with dumping arrangement, as it would be a great advantage over the old wooden ones.

A study is being made into the method of collection and disposal in other cities and the present routes are being observed to determine if improvement can be made, especially during the summer season.

RECOMMENDATIONS

In previous reports, the condition of Concord Avenue below Walden Street has been commented on and for the past three years efforts have been made to have the Massachusetts Highway Commission build the road. This year it looks as if the bill will pass and the coming season should see the work started.

The Mayor has already recommended the paving with wood block of the only portion of Massachusetts Avenue that is not permanently paved: that between Bigelow Street and Quincy Square. This should be taken up early in the spring so that the wood block work could be finished in warm weather. Cambridge Street should be also completed with wood block from Inman Square to the Railroad Crossing and thus make one smooth, clean road through the eastern section of the city.

The condition of Huron Avenue, from Concord Avenue to Aberdeen Avenue certainly warrants its immediate reconstruction and advantage should be taken of the short-term bond plan of the 1914 finance act and build this street this year with bituminous macadam. It would improve matters greatly then also if edgestones were ordered in on both sides of the street.

The following streets are recommended for repaving with old granite blocks on a concrete base.

Western Avenue, from Jay Street to the Parkway.

First Street, entire.

Portland Street, entire.

Main Street, from Columbia Street to Kendall Square.

Albany Street, from Massachusetts Avenue to Pacific Street.

Gore Street, entire.

That portion of Boylston Street, between Eliot Street and the Stadium Bridge must be done with some pavement the first thing in the spring. There is a recommendation now before the city council for its construction with bitulithic and I would ask its immediate adoption.

There are several streets that are in need of granite pavement and the expense would not be great, as the stock of blocks now on hand could be drawn from for their construction. Among these, I

would recommend Hampshire Street, from Inman Square to the Somerville Line, Somerville Avenue at the Cambridge Station, Athenaeum Street entire, Munroe Street, from Sixth to Second Streets.

The following are recommended for vitrified brick.

Regent Street, entire length.

Porter Road, leading from the railroad to Massachusetts Avenue.

There are many streets awaiting acceptance and construction but cannot be put through for lack of funds. No bonds have been issued for this type of work but such is possible and I would recommend that such streets as Stiles, Hingham, Akron and such others as the Committee on Highways might recommend be constructed this coming season and the money be borrowed on ten-year bonds as allowed by law. I feel that such work would encourage the development of these streets and produce considerable taxable property.

I should also recommend the extension of the bituminous macadam under five-year loans and there are any number of streets that the committee might deem it advisable to construct in this manner.

In point of both money spent and work accomplished, the past year has exceeded all others. The amount placed at the disposal of the department totalled over \$555,000.00. A larger number of men than ever before were given employment and dating from October 1, 1914, the laborers' rate has been \$2.50 per day.

I desire to thank his honor, the Mayor, for the active interest he has taken in all matters regarding this department. I wish to express my appreciation for the kindly assistance of the employees of all ratings in the department. The Committee on Highways also deserve commendation for the efficient manner in which they handled many important questions during the year.

Respectfully submitted,

JEREMIAH CORKERY,
Superintendent of Streets.

INVENTORY OF REAL AND PERSONAL PROPERTY

Location.	Buildings and Land.	Erection of Buildings.	Purchase of Land.	Feet of Land.	Valuation of Land.	Valuation of Buildings.
Raymond St	City Yard and Stable, stable, sheds, scales, etc.....	} 1897 1912	1896	272,670	\$27,000	\$27,000 5,500
	Incinerator plant					
Hampshire St...	City Stable, sheds and stables, scales, includ- ing old police station.	} 1885	.....	72,661 34,650	30,000 10,400	16,000
E. S. Norfolk St.	Yard and pound.....					
River St.....	Yard and wharf.....	.....	.....	41,546	17,000	.....
Acton, Mass....	Land, gravel bank....	.....	1896	.....	3,000	.....
Main St.....	Land and incinerator plant.....	} 1908	.....	93,424	31,900 6,000	18,000 4,000
Tannery St.....	Land, stables, sheds, etc.					
					\$125,000	\$70,500

Total valuation of real estate.....\$195,800

Brought forward \$195,800 00

98 horses	\$29,000 00
27 watering carts	5,400 00
68 single and double carts.....	5,000 00
118 sets harness	2,000 00
1 concrete mixer	900 00
3 automobiles	1,300 00
1 bicycle	50 00
4 steam rollers	11,500 00
1 scarifier	450 00
11 Shadbolt carts	3,000 00
2 Watson carts	400 00
50 ft. straight edgestone.....	27 00
150,000 second hand granite blocks.....	3,000 00
1,000 sidewalk bricks	15 00
300 feet granite flagging.....	150 00
100 tons field stone.....	75 00
500 tons crushed stone.....	500 00
Oil storage, Raymond Street.....	1,000 00
Stone crushing plant, Raymond Street.....	5,000 00
Stone crushing plant, Hampshire Street.....	5,000 00
Furnace and boiler, Main Street incinerator.....	9,000 00
Miscellaneous machinery	500 00
Miscellaneous tools, road machines, brooms, scrapers, machine brooms, waste barrels, push carts, etc.....	10,000 00
Miscellaneous, buggies, wagons, pungs, plows, etc..	5,000 00
Miscellaneous, grain, hardware, paints, leather, and general hardware	1,500 00
	99,767 00
Total	\$295,567 00

PERMITS.

Boston & Albany Railroad.....	15	
Boston Elevated Railway Company.....	33	
Boston & Maine Railroad Company.....	6	
Boston Consolidated Gas Co.....	4	
Cambridge Electric Light Co.....	107	
Cambridge Gas Light Co.....	587	
Metropolitan Water and Sewage Board.....	2	
New England Tel. & Tel. Co.....	94	
Water Department.	25	
Drain layers	224	
Miscellaneous	26	
	<hr/>	1,123

OBSTRUCTION PERMITS.

Removing trees	13	
Tar kettle contractors.....	77	
Steam rollers passing through streets.....	2	
Miscellaneous	601	
	<hr/>	693
Moving buildings		3
Board walks		49

ARTIFICIAL STONE SIDEWALKS.

Thomas Allen	9	
Hervey F. Armington, Inc.....	6	
The Armor Concrete Construction Co.....	1	
George M. Crowell	4	
William F. Condon.....	24	
Walter J. Grosvenor.....	2	
Simpson Brothers Corp.....	3	
Otto A. Theurer.....	2	
Warren Brothers Co.....	2	
Frederick O. White.....	12	
Selling goods on sidewalks.....	45	
	<hr/>	1,978

The issuing of permits is an important feature of the office work. The above table shows the number and kind of permits issued during the year.

A proposition has been considered by the Committee on Ordinances to make a charge for these permits but nothing definite was adopted.

REPORT OF THE COMMISSIONER OF BOSTON AND CAMBRIDGE BRIDGES

To the Honorable, the City Council:—

In accordance with the provisions of Section 3, Chapter 5, of the Revised Ordinances, the undersigned respectfully submits his report for the fiscal year ending March 31, 1915.

HARVARD BRIDGE

During the year the sidewalk was rebuilt and a new deck was laid upon the draw. The piers on both sides are in unsafe condition and should be practically rebuilt the coming year.

BROOKLINE STREET BRIDGE

The only repairs made on this bridge during the year were on the sidewalk and some little remains to be done the coming year. The railroad location, however, is in poor condition and the railway officials have agreed to bear one-half of the expense when the underdeck is to be rebuilt.

PRISON POINT BRIDGE

Considerable repairs were necessary to the lamp posts during the year. The iron work under the roadway at the Underpass was painted. During the coming year the steel work of the entire bridge must be painted. The rust is gaining headway and it is urgent that it be scraped and painted immediately. On the surface of the bridge it will be necessary to take up a great deal of the paving, especially where the expansion joints are laid and relay it as there is a bad gully in practically every joint.

RIVER STREET BRIDGE

Both the road and the draw were entirely resheathed last year and it will be required again the coming year. The down stream pier has been rebuilt and the up stream pier will need rebuilding this summer.

WESTERN AVENUE BRIDGE

The usual resheathing has been done during the year and the up stream pier will require extensive repairing the coming summer.

ANDERSON BRIDGE

This bridge will undoubtedly be turned over to this commission early in the summer as soon as the bronze tablets are placed. An additional amount will be required this year to provide for the lighting.

I desire at this time to express my appreciation of the co-operation and assistance of the Commissioner of Public Works of Boston, Mr. Louis K. Rourke, the Boston Bridge Commissioner, Mr. Frederick H. Fay, and to the Engineer's Department of Boston for their many courtesies.

Respectfully submitted,

FRANCIS J. SMITH,

Bridge Commissioner.

BOSTON AND CAMBRIDGE BRIDGES.
MONTHLY SUMMARY OF DRAW OPENINGS

	CAMBRIDGE STREET RIVER STREET			HARVARD			PRISON POINT			WESTERN AVENUE		
	Vessels	Cargoes	Openings	Vessels	Cargoes	Openings	Vessels	Cargoes	Openings	Vessels	Cargoes	Openings
1914												
April.....	17	..	8	91	15	59	57	11	31	16	..	7
May.....	11	..	8	63	12	40	53	8	26	11	..	8
June	17	..	7	77	12	50	58	9	31	1	..	1
July.....	..	..	..	37	7	22	57	7	27	..	..	..
August....	12	..	9	77	15	47	64	7	23	6	..	3
September...	6	..	2	63	10	40	61	8	27	6	..	2
October.....	8	..	4	67	14	42	60	11	32	8	..	4
November....	24	..	11	63	8	39	45	5	23	20	..	10
December....	8	..	4	71	10	48	44	7	29	8	..	4
1915												
January.....	..	..	..	..	..	..	58	10	33	..	..	..
February .....	..	..	..	12	2	8	26	5	11	..	..	..
March.....	..	..	..	43	8	26	56	8	34	..	..	..
Totals.....	103	..	53	664	113	421	639	96	327	76	..	39

BOSTON & CAMBRIDGE BRIDGES

Classification of Expenditures by the City of Cambridge from April 1, 1914, to March 31, 1915, Which is One Half of the Cost of Care and Maintenance of These Bridges, the Other Half Being Paid by the City of Boston

	Brookline Street	Cambridge Street	Harvard Street	Prison Point	River Street	Western Avenue	Admin.	Totals
Salaries .....	.....	\$1,595 07	\$2,862 30	\$2,894 34	\$2,884 51	.....	\$1,100 00	\$11,336 22
General Repairs	\$165 05	17 00	760 08	363 82	128 87	\$444 57	.....	1,714 34
Lumber .....	.....	.....	770 39	348 32	124 65	228 09	.....	1,471 45
Sanding and Sweeping	6 00	99 28	151 81	8 56	.....	.....	.....	265 65
Hardware, Tools and Supplies .....	.....	41 21	64 87	56 06	37 09	16 38	.....	215 61
Lighting .....	.....	1,568 20	828 37	9 54	101 79	.....	.....	2,672 95
Iron and Machine Work .....	.....	84 68	10 07	33 56	.....	.....	.....	128 31
Fuel .....	.....	.....	22 08	20 39	14 10	.....	.....	56 57
Travelling Expenses .....	.....	.....	.....	.....	.....	.....	125 15	125 15
Office Expense .....	.....	.....	.....	.....	.....	.....	63 20	63 20
Totals	\$171 05	\$3,405 44	\$5,469 97	\$3,734 59	\$3,291 01	\$689 04	\$1,288 35	\$18,049 45

ANNUAL REPORT OF THE DEPARTMENT OF PUBLIC SAFETY

Commissioner's Office, City Hall,
Cambridge, April 10, 1915.

To His Honor, Timothy W. Good, Mayor:

Sir:—I respectfully submit herewith the report of the Department of Public Safety for the fiscal year ending March 31st, 1915, which contains the complete statistics of both the Police and Fire Divisions constituting said department.

The Department of Public Safety was created by an act of the Legislature dated May 20, 1912, the Commissioner was appointed on July 10 of the same year. It will thus be seen that the Department has now been in existence for upwards of three years.

PERSONNEL OF THE DEPARTMENT.

The Department of Public Safety consists of a commissioner, one clerk, a Fire Division, with a chief, a deputy chief, thirteen captains, twelve lieutenants, seven engine men, eighty privates and twenty-six call men; a Police Division with a chief, six (6) captains, one of whom is a captain of inspectors, ten lieutenants, two of whom are detailed as inspectors, ten sergeants, one hundred and twenty-four patrolmen, twenty-six reserve patrolmen, seven patrol drivers and two matrons.

EQUIPMENT.

The Fire Division of this department has seven steam engine companies, one of which has in connection with it a combination hose and chemical wagon. These are housed in eleven different buildings scattered over various parts of the city and have at their disposal seven steam engines and hose wagons to run with them, seven fuel wagons, one spare hose wagon, two chemical engines, two combination hose and chemical engines, four ladder trucks, one of which is an aerial, one spare ladder truck, one supply wagon and three chief's wagons, one of which is kept in reserve. A description of each piece of apparatus is given in the roster of the Fire Division. There are fifty-five horses, 15,200 feet of 2½ inch cotton rubber-lined hose, 200 feet of 2 inch cotton rubber-lined hose, and 1,350 feet of ¾ inch chemical hose.

The Police Division of the department has a police headquarters, four station houses with lockups, detention quarters for women, three patrol wagons, one ambulance, three combination patrol wagons and ambulances and five horses.

APPOINTMENTS

	Division	Rank
Thomas F. O'Laughlin	Police	Reserve Officer
George B. Roper	Police	Reserve Officer
Thomas J. King	Fire	Reserve Officer
Thomas L. M. Wilkshire.....	Fire	Reserve Officer
William J. Scally	Fire	Reserve Officer
Michael J. Murphy	Fire	Reserve Officer
James M. Collins	Fire	Reserve Officer
William A. Witham	Fire	Reserve Officer
Daniel J. Kelleher	Fire	Reserve Officer
James P. Welch	Fire	Reserve Officer
Jeremiah F. Hayes	Fire	Reserve Officer

RETIREMENTS

	Division	Rank
David A. Stephens	Police	Captain
Frederick A. Robinson	Police	Sergeant

DEATHS

	Division	Rank
Frederick A. Robinson	Police	Sergeant
Cornelius Sullivan	Police	Patrolman
Charles C. Marston	Police	Pensioner
John McCarthy	Fire	Pensioner
John H. McDermott	Fire	Pensioner

PROMOTIONS

	Division	Rank
Michael J. Brennan	Police	Lieutenant to Captain
James M. Keaney	Police	Lieutenant to Captain
Frederick M. Ellis	Police	Sergeant to Lieutenant
Edward J. Welch	Police	Sergeant to Lieutenant

FIRES AND ALARMS

The whole number of alarms for the year were as follows: 774.

Responded to out-of-town calls, 35 times.

LOSSES AND INSURANCE

The following table shows the value of the property damaged by fire, the loss to said property, and the amount of insurance carried and paid thereon:

Buildings	\$2,157,364 00	\$106,017 23	\$1,689,218 00	\$96,035 79
Contents	456,507 31	97,006 41	318,108 77	83,467 55
Totals	\$2,613,871 31	\$203,023 64	\$2,007,326 77	\$179,503 34

Respectfully submitted,

HENRY J. CUNNINGHAM,
Commissioner.

REPORT OF THE POLICE DIVISION OF THE DEPARTMENT OF PUBLIC SAFETY

Cambridge, Mass., April 1, 1915.

Henry J. Cunningham, Esq., Commissioner of Public Safety, Cambridge, Mass.

Sir:—I herewith submit my annual report for the Police Force, ending April 1st, 1915:

Whole number of arrests for the year, 4,624; last year there were 4,550, an increase of 74 for this year.

Males	4,343	Females	281
Adults	3,697	Minors	927
Non-residents	1,325		

The offences for which arrests have been made are as follows:—

Adultery	10	Escaped prisoners	6
Assault and battery.....	288	Exposure of person.....	8
Assault, felonious.....	11	False alarm of fire.....	3
Assault on an officer.....	2	Forgery	4
Assault, indecent.....	8	Fornication	6
Assault, to rape.....	3	Fugitive from justice.....	1
Assault, to kill.....	4	Gaming nuisance.....	2
Attempt to break and enter...	13	Gaming	165
Attempt to rescue prisoner...	3	Having obscene photo.....	1
Abandonment	13	Idle and disorderly.....	16
Appropriating a team.....	6	Insane	11
Accessory	3	Impersonating a police officer.	1
Attempt at larceny.....	9	Keeping an unlicensed dog....	1
Bastardy	31	Keeping open shop on Lord's day	11
Being present where gaming implements were found.....	28	Keeping dangerous dog.....	1
Breaking and entering.....	149	Kidnapping	1
Committing unnatural act....	2	Larceny	330
Common drunkard.....	61	Larceny in building.....	10
Carrying concealed weapons..	18	Lewd and lascivious act.....	14
Contempt of court.....	28	Larceny from person.....	16
Conveying leased goods.....	5	Malicious mischief	26
Cruelty to animals.....	8	Manslaughter	8
Conspiracy	3	Murder	3
Disturbing the peace.....	192	Malicious injury to real estate	9
Disturbing a meeting.....	5	Non-support	111
Disorderly house.....	4	Practising medicine illegally..	2
Drunkenness	1,694	Promoting a lottery.....	4
Disturbance on a car.....	15	Polygamy	1
Delinquents	3	Peddling without a license....	9

Perjury	2	Violation of labor laws.....	7
Receiving stolen goods.....	9	Violation of school laws.....	2
Runaways	14	Violation of city ordinances...	36
Robbery	10	Violation of liquor laws.....	118
Rape	4	Violation of milk laws.....	15
Setting fires	2	Violation of probation.....	179
Safe keeping	35	Violation of park rules.....	19
Stubborn children	43	Violation of Board of Health	
Stealing a ride.....	5	rules	9
Suspicious persons	25	Violation of traffic rules.....	55
Surrendered by bail.....	2	Violation of pure food law....	6
Threatening	7	Violation of tobacco laws.....	3
Trespass	369	Violation of drug laws.....	9
Tramps	3	Violation of Lord's day laws..	9
Using false weights.....	7	Vagrants	9
Violation of auto laws.....	255	Witness	1

NATIVITY OF PRISONERS

Azores	4	Italy	132
Austria	12	Japan	1
Armenia	6	Poland	45
Belgium	1	Portugal	48
Canada	339	Rumania	7
Denmark	7	Servia	3
England	76	Russia	373
East Indies	2	South America	3
Finland	15	Scotland	42
France	4	Sweden	49
Greece	22	Turkey	16
Germany	16	United States	2,738
Norway	13	West Indies	30
Ireland	617	Wales	3

OCCUPATION OF PRISONERS

Auditors	2	Box makers	4
Actors	1	Blacksmiths	16
Artists	1	Builders	4
Agents	8	Building mover	1
Automobile dealers	6	Boiler makers	15
Automobile repairers	9	Barbers	10
Butchers	8	Clerks	90
Brakeman	4	Chauffeurs	126
Bakers	25	Caterers	2
Bartenders	1	Contractors	9
Bookkeepers	4	Coachmen	2
Brass workers	11	Core makers	4
Brokers	3	Coopers	10
Brick layers	15	Cabinet makers	8
Barrel dealers	2	Choreman	1
Bookbinders	20	Collectors	6

Currier	2	Moulders	10
Carpenters	80	Machinists	72
Clergyman	1	Mill hands	10
Cigar makers	7	Managers	9
Conductors	6	Motormen	5
Cooks	15	Merchants	4
Candy makers	10	Messengers	4
Carriage makers	2	Nurses	6
Constables	4	Newsboys	10
Domestics	85	Optician	1
Draughtsmen	2	Office boys	9
Dressmaker	1	Publishers	2
Druggists	39	Packers	1
Drummers	2	Porters	23
Decorators	2	Peddlers	86
Engineers	7	Painters	105
Electricians	12	Paper hangers	4
Expressmen	53	Plumbers	29
Elevator men	5	Printers	44
Errand boys	20	Polishers	2
Firemen	23	Photographers	1
Foremen	7	Pressmen	5
Farmers	17	Plasterers	21
Furniture movers	8	Piano makers	28
Florists	7	Pavers	3
Fish dealers	5	Physicians	7
Gas fitters	1	Real estate agents	12
Gardeners	25	Rubber workers	61
Guides	2	Restaurant keepers	5
Glass workers	11	Roofers	23
Glaziers	2	Soldiers	2
Housewives	122	Sailors	18
Hostlers	8	Salesmen	79
Horse shoers	5	Students	50
Harness makers	3	Stewards	2
Iron workers	20	Stone cutters	12
Ice men	2	Shoemakers	23
Inspectors	1	Steam fitters	25
Junk collectors	20	Store keepers	59
Janitors	19	School children	242
Jewelers	1	Stevedores	2
Lumbermen	5	Shippers	13
Linemen	1	Teamsters	375
Longshoremen	13	Tel. operators	2
Lathers	5	Teachers	6
Laundrymen	4	Tinsmiths	8
Laundresses	10	Tailors	19
Lawyers	2	Upholsterers	4
Letter carriers	2	Undertakers	1
Laborers	1,805	Veterinary	1
Musicians	4	Waiters	37
Masons	14	Wire workers	37
Mattress makers	1	Wood workers	12
Milkmen	12	Waitresses	10
Manufacturers	5	Watchmen	2
Meat cutters	3	Washwomen	3

INSPECTORS' DEPARTMENT

Property reported lost and stolen.....	\$10,500 00
Property recovered	7,440 00
Cases investigated	1,230
Civil cases investigated	129
Arrests	222
Convictions	153
Cases dismissed	27
Released from headquarters, not sent to court.....	4
Fugitives, for other departments.....	21
Cases pending	17

MISCELLANEOUS BUSINESS

Accidents	678	Defective poles	2
Building found open.....	358	Defective trees	20
Cases investigated	5,836	Defective streets	1,180
Dangerous buildings	18	Disturbances suppressed.....	114
Dangerous chimneys	1	Dogs killed	24
Dead bodies found.....	38	Fire alarms given.....	23
Defective catch basins.....	88	Fires extinguished without	
Defective fire alarms	19	alarms	76
Defective gas pipes	13	Persons assisted home.....	3
Defective water pipes	312	Lost children found.....	517
Defective hydrants	40	Sick and injured persons as-	
Defective street lamps	3,280	sisted	721
Defective wires	108	Stray teams put up.....	29
Dangerous street obstructions		Water running to waste.....	37
removed	17		

POLICE MATRONS

Women prisoners cared for.....	279
Neglected children cared for.....	14
Stubborn children cared for.....	8

SIGNAL SYSTEM

Duty called by officers.....	522,012	Wagon calls.....	1,920
Telephone calls (boxes).....	49,916	Miles run.....	3,072

AMBULANCE

Emergency calls	686
Removals for the Overseers of the Poor.....	7

Respectfully submitted,

JOHN F. MURRAY,
Acting Chief of Police.

CITY PROPERTY IN USE BY THE POLICE DIVISION OF THE DEPARTMENT OF PUBLIC SAFETY.

[illegible]

FIRE DIVISION

Cambridge, Mass., April 1, 1915.

To Henry J. Cunningham, Commissioner of Public Safety:

Sir:—I herewith submit a report for the fiscal year ending March 31, 1915:

PERSONNEL OF THE FIRE DIVISION

A chief, a deputy chief, thirteen captains, twelve lieutenants, eight enginemen, seventy-eight privates and twenty-four callmen.

EQUIPMENT

This division has seven steam engine companies, two chemical engine companies, four ladder companies, one of which has in connection with it a combination hose and chemical wagon.

These are housed in eleven different buildings located in various parts of the city, and have at their disposal seven steam engines and hose wagons to run with them; one spare steam engine, now out of commission; seven fuel wagons, two spare hose wagons, two chemical engines, four ladder trucks, one of which is an aerial; one open truck, one supply wagon, one chief's wagon, in reserve; two chief's automobiles. A description of each apparatus is given in the roster of the division. There are fifty-two horses, one of which is pensioned on a farm; 17,200 feet of 2½-inch cotton rubber-lined hose, 200 feet of 2-inch cotton rubber-lined hose and 1,350 of ¾-inch chemical hose.

ROSTER OF THE FIRE DIVISION

April 1, 1915

CHIEFS

Name	Rank	Age	Residence
Nathaniel W. Bunker	Chief	71	5 Ashton Place.
James M. Casey.....	Deputy Chief ...	50	353 Huron Avenue.

AIDS

No. of Badge	Name	Rank	Age	Residence
1	William J. Atkinson...	Lieutenant	40	5 Yerxa Road.
100	James J. Clifford.....	Private	43	452 Huron Avenue

SUPERINTENDENT OF REPAIRS.

No. of Badge	Name	Rank	Age	Residence
62	J. Lewis Howe	Engineman	63	189 Western Avenue

ENGINEER OF MOTOR APPARATUS

No. of Badge	Name	Rank	Age	Residence
18	William Reilly	Engineer	43	300 Prospect Street

ENGINE CO. NO. 1

First size Amoskeag engine drawn by three horses, capacity 900 gallons a minute; has been in service since 1883. New boiler, 1912. Hose wagon drawn by two horses, with 800 feet of hose and other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
5	Daniel E. Shea	Captain	58	65 Putnam Avenue
131	Richard J. Doyle	Lieutenant	39	104 Fayerweather St.
63	Thomas H. McCourt ...	Engineman	45	59 Rindge Avenue
39	Jeremiah O'Connor	Asst. Engineman	56	2 Olive Place
4	Hiram W. Hooker	Private	37	45 Fayette Street
87	James H. Sullivan	Private	32	39 Washburn Ave.
56	Thomas A. Haley	Private	35	19 Rice Street
135	Bernard J. Coakley	Private	39	41 Oliver Street
13	Joseph J. Corcoran ...	Callman	55	31 Ash Street

ENGINE CO. NO. 2

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1891. New boiler, 1908. Hose wagon drawn by two horses, with 800 feet of hose and other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
127	John H. Dardis	Captain	45	81 Prospect Street.
14	Daniel E. Powers.....	Lieutenant	55	19 Park Street.
2	Charles A. Cairns.....	Engineman	48	384 Mass. Avenue.
100	Arthur L. Marshall	Asst. Engineman	31	87 Hammond Street
84	Thomas H. Anderson...	Private	34	19 Watson Street.
68	Emerill B. Beucher.....	Private	27	137 Columbia Street.
33	William J. Connors.....	Private	36	228 Webster Avenue.
36	Frank Foster	Private	26	349 Norfolk Street.
20	John J. Balfe	Callman	44	377 Norfolk Street.
22	Charles H. Cutting.....	Callman	63	1 Pine Street.
80	Joseph A. Wood.....	Callman	53	107 School Street.

ENGINE CO. NO. 3

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1891. New boiler, 1905. Hose wagon drawn by two horses, with 800 feet of hose and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
27	Frank McGrath	Captain	50	39 Hunting Street.
30	William F. Newman....	Lieutenant	45	29 Rindgefield Street.
12	William L. McCusker....	Engineman	38	26 Williams Street.
19	Cornelius O'Connell	Asst. Engineman	29	41 Fourth Street.
115	John J. O'Callahan.....	Private	44	36 Tremont Street.
3	Edward F. Looney.....	Private	38	15 Marney Street.
120	Daniel J. Holleran.....	Private	42	292 Columbia Street.
35	Charles F. O'Connor....	Private	25	13 Palermo Street.
31	Walter Baker	Callman	63	35 Antrim Street.
34	Charles H. Leddy.....	Callman	54	65 Antrim Street.
59	George W. Stevens	Callman	48	135 Antrim Street.
37	Joseph King	Callman	38	339 Cambridge Street.
23	Thomas J. Conroy.....	Callman	40	16 Hardwick Street.

ENGINE CO. NO. 4

Third size Amoskeag engine, drawn by two horses; capacity, 550 gallons a minute; has been in service since 1895. New boiler, 1904. Hose wagon drawn by two horses, with 900 feet of hose and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
86	Cutter L. Vose.....	Captain	46	51 Prentiss Street.
119	Walter E. Chapman....	Lieutenant	47	73 Porter Road.
42	John T. Henderson....	Engineman	46	11 Yerxa Road.
24	James A. S. Drinkwater..	Asst. Engineman	42	1 Coolidge Place.
57	Frank J. Murray.....	Private	36	35 Warwick Park.
122	Thomas J. King.....	Private	36	54 Creighton Street.
25	Walter L. Allen.....	Private	35	30 Cambridge Terrace.
10	William J. Coyne.....	Private	35	220 Elm Street.
45	George F. Durgin.....	Callman	47	195 Pemberton Street.
47	William F. Henderson.	Callman	50	10 Allen Street.

ENGINE CO. NO. 5

Second size Amoskeag engine, drawn by gasoline tractor; capacity, 700 gallons a minute; has been in service since 1876. New boiler, 1914. Combination hose and chemical motor-drawn with 800 feet of hose and two 35-gallon tanks.

No. of Badge	Name	Rank	Age	Residence
51	Peter F. McSorley.....	Captain	55	1431 Cambridge Street.
44	Redmond M. Burke.....	Lieutenant	45	22 Hadley Street.
53	George L. Church.....	Engineman	36	1293 Cambridge Street.
32	Hugh Powers	Asst. Engineman	28	232 Norfolk Street.
52	Timothy McCarthy ...	Private	39	1269 Cambridge Street.
73	William J. Doyle.....	Private	42	1355 Cambridge Street.
110	Mortimer F. Hartney..	Private	40	163 Brookline Street.
43	William Beck	Private	31	234 Webster Avenue.
105	Jeremiah F. Hayes.....	Private	47	17 Marney Street.
58	James H. McGrath.....	Callman	58	4 Highland Park.
60	John F. Downey.....	Callman	35	341 Columbia Street.
61	William G. Johnson...	Callman	52	41 Springfield Street.

ENGINE CO. NO. 6

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1873. New boiler, 1907. Hose wagon drawn by two horses, with 800 feet of hose and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
126	Lewis C. Clark.....	Captain	69	264 Green Street.
66	Herman E. Gutheim....	Lieutenant	38	38 Amory Street.
62	J. Lewis Howe.....	Engineman	63	189 Western Avenue.
6	Thos. F. Drummond...	Asst. Engineman	47	270 Green Street.
65	Warren A. Dale.....	Private	42	104 Otis Street.
118	Wm. H. C. Acford....	Private	29	14 Carlisle Street.
69	Wm. F. Campbell.....	Private	33	25 Decatur Street.
8	Louis C. Avery.....	Private	36	3 Sullivan Place.
70	Thomas F. Mullen.....	Callman	41	140 Pearl Street.
72	Charles P. Cox, Jr.....	Callman	43	134 River Street.

ENGINE CO. NO. 7

Second size Amoskeag engine, drawn by three horses; capacity, 700 gallons a minute; has been in service since 1895. New boiler, 1907. Combination hose and chemical wagon, drawn by two horses, with 800 feet of 2½ inch hose, two 30-gallon tanks and 200 feet of ¾-inch hose, and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
17	James H. Furfey.....	Captain	57	59 Prince Street.
26	Thos. F. O'Connell.....	Lieutenant	52	24 York Street.
29	Patrick J. Hayes.....	Engineman	52	93 Gore Street.
83	Joseph S. Hayes.....	Asst. Engineman	37	79 Hampshire Street.
75	Leo A. Diehl.....	Private	29	9 Gardner Street.
136	Otis D. Powers.....	Private	26	8 Rockingham Street.
76	Henry J. O'Brien.....	Private	39	28 York Street.
15	Thomas J. Galvin.....	Private	29	346 Norfolk Street.
82	Edward Clark	Callman	49	253 Sixth Street.
85	James E. Cunha.....	Callman	38	9 Gardner Street.

RESERVE ENGINE

Second size Amoskeag engine; has been in service since 1869. New boiler, 1897. Now out of service.

LADDER CO. NO. 1.

Ordinary ladder truck, drawn by three horses, equipped with 469 feet of ladders, the longest ladder 65 feet extension; also equipped with jumping net, life line, etc.; has been in service since 1892.

No. of Badge	Name	Rank	Age	Residence
129	Wm. H. Barrow.....	Captain	45	106 Fayerweather St.
88	Wm. J. Anderson.....	Lieutenant	43	79 Putnam Avenue.
97	John F. McPherson....	Private	42	204 Banks Street.
38	Chas. N. Anderson....	Private	34	585 Green Street.
67	Eugene L. O'Keefe....	Private	26	3 George Street.
21	John J. Murphy.....	Private	27	25 Decatur Street.
54	Joseph H. Caldwell....	Private	25	216 Banks Street.
93	John J. Jefferson.....	Callman	52	98 Winthrop Street.
95	Thomas J. McGowan..	Callman	50	17 South Street.
96	James F. Rooney.....	Callman	45	26 Shepard Street.

LADDER CO. NO. 2

Combination ladder and chemical truck, drawn by three horses; equipped with 445 feet of ladders; longest ladder, 65 feet extension; two 35-gallon tanks; 200 feet of $\frac{3}{4}$ -inch chemical hose; life line, etc. Put in service, 1902.

No. of Badge	Name	Rank	Age	Residence
28	Albert R. Wait.....	Captain	43	114 Hampshire Street.
77	Dennis R. Sullivan.....	Lieutenant	43	35 Harvard Street.
102	Charles F. McElroy.....	Private	35	79 Hampshire Street.
116	Frank A. Casey.....	Private	38	17 Marney Street.
108	Thomas J. Parks.....	Private	37	294 Prospect Street.
107	Michael Mullen	Private	39	38 Plymouth Street.
128	Wm. J. L. Sullivan.....	Private	35	2 Harding Street.
7	James H. Newman.....	Private	25	40 Rindge Avenue.
50	Joseph A. McDonald....	Private	31	79 Hampshire Street.
71	James P. Welch.....	Private	51	92 Columbia Street.
106	Thomas J. Lane.....	Callman	49	134 Otis Street.
91	Timothy J. Murphy.....	Callman	37	709 Cambridge Street.

LADDER CO. NO. 3

Hayes 75-foot aerial truck, drawn by three horses; carries 275 feet of ladders, jumping net, life line, etc. Put in service 1894. Hose and Morse nozzle applied for water tower, 1909. Dahill hoist applied 1911.

No. of Badge	Name	Rank	Age	Residence
98	John T. McNamee.....	Captain	59	209 Hamilton Street.
113	Wm. C. Richardson....	Lieutenant	45	76 Antrim Street.
89	Benj. McArthur	Private	40	117 Magazine Street.
117	Morris A. Skold.....	Private	33	261 Washington Street.
94	James H. McCabe.....	Private	33	247 Hampshire Street.
104	Wm. F. McGrath.....	Private	30	84 Plymouth Street.
109	James W. McCloskey...	Private	38	1165 Cambridge Street.

LADDER CO. NO. 4.

Ordinary ladder truck, drawn by two horses; equipped with 340 feet of ladders; longest ladder, 60 feet extension; jumping net, life line, etc. Put in service, 1905. Combination hose and chemical wagon, drawn by two horses; equipped with two 25-gallon tanks; 800 feet of $2\frac{1}{2}$ -inch hose, and 250 feet of $\frac{3}{4}$ -inch chemical hose. Put in service, 1905.

No. of Badge	Name	Rank	Age	Residence
133	Edward F. Conroy.....	Captain	41	10 Mt. Auburn Street.
130	Timothy Curran	Lieutenant	44	102 Fayerweather St.
9	Edward F. Kelley.....	Private	31	51 Montgomery Street.
79	John F. Collins.....	Private	24	6 Rindge Avenue.
40	John Gibson.....	Private	38	60 Fairfield Street.
132	Matthew F. Gleason....	Private	42	104 Concord Avenue.
78	Charles A. Olsen.....	Private	44	23 Athens Street.
49	George A. Lorigan.....	Private	38	59 Rindge Avenue.
123	Francis V. Doyle.....	Private	36	7 Madison Street.
74	Wm. T. Anderson.....	Private	34	136 Huron Avenue.
46	Joseph T. Vocell.....	Callman	48	12 Bolton Street.

RESERVE LADDER TRUCK

Ordinary truck ready for service.

CHEMICAL ENGINE CO. NO. 1

Perkins chemical engine, drawn by three horses. Two 90-gallon tanks, equipped with 650 feet $\frac{3}{4}$ -inch chemical hose and 200 feet of 2-inch linen hose. Has been in service since 1880. Rebuilt with new tanks, 1911.

No. of Badge	Name	Rank	Age	Residence
99	James T. McCabe.....	Captain	52	17 Laurel Street.
11	Daniel J. O'Connell.....	Engineman	31	408 Columbia Street.
64	Robt. J. Buchanan.....	Private	44	20 Grigg Street.
111	Edward L. Kelley.....	Private	29	368 Prospect Street.
81	James E. Jefferson.....	Private	29	158 River Street.

CHEMICAL ENGINE NO. 2

Champion chemical engine drawn by two horses. Two 60-gallon tanks, equipped with 600 feet of $\frac{3}{4}$ -inch chemical hose. Put in service, 1894. Rebuilt, 1908.

No. of Badge	Name	Rank.	Age	Residence
16	John D. Shea.....	Captain	44	15 Athens Street.
124	Garfield F. Eagleston...	Engineman	36	4 Foster Street.
121	John J. Flavin.....	Private	34	22 $\frac{1}{2}$ Sparks Street.
48	George A. Regan.....	Private	32	84 Pemberton Street.
41	Edward J. Shea.....	Private	32	22 Porter Road.

Respectfully submitted,

NATHANIEL A. BUNKER,
Chief of Fire Division.

FIRES AND ALARMS

FROM APRIL 1, 1914, TO APRIL 1, 1915

APRIL.

Thursday, April 2, 5.07 P. M. Still alarm. Bigelow Street. Telegraph pole.

Friday, April 3, 5.43 P. M. Magazine Street. Automobile. Owned by Packard Auto Co. Loss, trifling.

Friday, April 3, 7.33 P. M. Still alarm. No. 3 Phillips Place. Owned by E. H. Tilton. Occupied by several families as dwelling. No loss. Cause, chimney fire.

Friday, April 3, 7.50 P. M. Still alarm. No. 26 Quincy Street. Owned by M. W. Batchelder. Loss, \$75. Insurance, \$10,000. Occupied by Joseph Warren as dwelling. Loss, \$103. Insurance, \$4,000. Cause, careless use of match in closet.

Saturday, April 4, 7.50 P. M. Still alarm. No. 352 Harvard Street. Owned by H. F. Esterbrook as dwelling. No loss. Cause, chimney fire.

Sunday, April 5, 8.50 P. M. Box 41. No. 126 Amory Street. Owned by M. Roach. Loss, \$98.88. Insurance, \$400. Occupied by Tony Oteri as stable. Loss, \$20. Insurance, \$300. Occupied by M. Yantocia as stable. Loss, \$20. Insurance, \$300. Cause, careless dropping match in hay loft.

Monday, April 6, 9.34 A. M. Still alarm. Charles River Road. Owned by M. H. Cobe as auto truck. Loss, \$900. Insurance, \$2,750. Cause, back fire.

Monday, April 6, 5.50 P. M. Still alarm. Off Huron Avenue. Grass fire.

Monday, April 6, 6.12 P. M. Box 29. No. 351 Tremont Street. Owned by James Keenan estate. Loss, \$25. Insurance, \$900. Occupied by Alfred Dunn as dwelling. Loss, \$20. No insurance. Cause, upset oil stove.

Thursday, April 9, 9.20 A. M. Still alarm. Ladder No. 2 responded to Somerville Box 21.

Saturday, April 11, 3.50 P. M. Box 93. Rear No. 23 Lawn Street. Grass fire.

Saturday, April 11, 1.55 P. M. Box 682. Rear No. 91 Sherman Street. Grass fire.

Sunday, April 12, 3.20 P. M. Still alarm. Rear Ford Building. Rubbish.

Sunday, April 12, 7.29 P. M. Box 361. No. 11 Kenwood Street. Owned and occupied by Laura Fountaine as dwelling. Cause, chimney fire.

Monday, April 13, 3.06 P. M. Box 35. Magazine Street. Dump fire.

Monday, April 13, 7.27 P. M. Still alarm. Larch Road. Grass fire.

Tuesday, April 14, 1.35 A. M. Box 134. No. 33 Vine Street. Owned by Otis Simons as dwelling. No loss. Cause, chimney fire.

Tuesday, April 14, 10.40 A. M. Still alarm. No. 165 Harvard Street. Owned by E. Brown estate as dwelling. No loss. Cause, chimney fire.

Tuesday, April 14, 10.42 A. M. Still alarm. No. 48 Lakeview Avenue. Owned by Misses Alby as dwelling. No loss. Occupied by A. Keefe. No loss. Cause, sparks from stove on paper.

Tuesday, April 14, 11.40 A. M. Still alarm. Engine No. 4 responded to Somerville Box 445.

Tuesday, April 14, 11.47. Still alarm. Putnam Avenue. Dump fire.

Tuesday, April 14, 12.11 P. M. Box 42. No. 42 Antrim Street. Grass fire.

Wednesday, April 15, 3.08 A. M. Still alarm. No. 177 Lexington Avenue. Owned and occupied by Jeremiah Sullivan as dwelling. Loss, \$534. Insurance, \$9,500. Cause, mice in partition.

Wednesday, April 15, 8.20 A. M. Still alarm. Engine No. 4 responded to Somerville Box 427.

Wednesday, April 15, 3.26 P. M. Box 68. No. 151 Raymond Street. Owned and occupied by Hugh H. Sweeney as dwelling. Loss, \$1,621. Insurance, \$2,700. Cause, overheated furnace.

Thursday, April 16, 1.46 P. M. Box 19. Sixth Street. Owned by Libby as auto truck. Loss, trifling.

Friday, April 17, 12.25 P. M. Still alarm. No. 13 Meacham Road. Owned by C. Knowles. No loss. Occupied by A. Griffiths as dwelling. Cause, chimney fire.

Friday, April 17, 5.46 P. M. Box 391. No. 66 Pearl Street. Owned by John Griffith. Loss, \$847. Insurance, \$5,000. Occupied by J. Gilfeather as dwelling. Loss, \$20. Insurance, \$1,000. Cause, dropping fire on paper.

Saturday, April 18, 1.48 P. M. Still alarm. No. 230 Western Avenue. Fence fire.

Saturday, April 18, 6.35 P. M. Still alarm. No. 19 Antrim Street. Owned by Frank Hager as dwelling. Loss, trifling. Cause, fire under doorsteps, set by boys.

Saturday, April 18, 9.32 P. M. Still alarm. Near Harvey Street. Owned by B. & M. R. R. as tool house. Loss, trifling. Cause, sparks from locomotive.

Sunday, April 19, 3.02 P. M. Box 791. Harvey Street. Owned by Andrew Brennan as lumber pile. Loss, \$125. Insurance, \$200. Cause, boys playing with fire.

Monday, April 20, 10.43 A. M. Still alarm. River Road. Grass fire.

Monday, April 20, 8.19 P. M. Box 741. False alarm.

Tuesday, April 21, 11.26 A. M. Still alarm. No. 144 Pemberton Street. Owned by 25 Associates. Occupied by Jeremiah O'Keefe as dwelling. Cause, chimney fire.

Thursday, April 23, 10.12 A. M. Still alarm. No. 120 Windsor Street. Fence fire set by boys.

Thursday, April 23, 4.04 P. M. Box 461. No. 694 Green Street. Owned by Charles McKenna. Occupied by Joseph Nee as dwelling. Cause, fat on stove.

Thursday, April 23, 5.06 P. M. Box 284. No. 33 Norfolk Street. Owned by L. M. Hannum. Loss, \$25. Insurance, \$3,500. Occupied by W. J. Damery as dwelling. Loss, \$20. Insurance, \$500. Cause, lighted match on curtain.

Friday, April 24, 1.00 P. M. Still alarm. Rindge Avenue cemetery. Grass fire.

Friday, April 24, 9.45 P. M. Still alarm. No. 84 Green Street. Owned by Inez Clark as unoccupied dwelling. Loss, \$30. Insurance, \$10,000. Cause, oily rags in waste paper.

Sunday, April 26, 7.37 A. M. Box 233. No. 223 Broadway. Owned by W. S. Sparrow. Loss, trifling. Occupied by J. J. Fitzgerald as dwelling. Loss, trifling. Cause, match on curtain.

Monday, April 27, 8.39 P. M. Box 381. Western Avenue and Howard Street. Owned by H. W. Bullard as automobile. Loss, trifling.

Wednesday, April 29, 11.00 P. M. Box 245. No. 167 Sixth Street. Owned and occupied by Alden Speare Sons Co. as garage. Loss, \$11,050. Insurance, \$13,950. Cause, defect in electric wires.

MAY.

Friday, May 1, 10.30 A. M. Still alarm. Engine No. 5 responded to Somerville Box 241.

Friday, May 1, 2.33 P. M. Still alarm. Engine No. 5 responded to Somerville Box 26.

Friday, May 1, 7.45 P. M. Still alarm. No. 830 Somerville Avenue. Owned by Joseph Noera. Loss, trifling. Occupied by Porter Station Garage as garage. Loss, \$50. No insurance. Cause, spark from auto set fire to gasoline on floor.

Saturday, May 2, 10.11 P. M. Box 233. No. 199 Washington Street. Owned by A. H. Spencer. No loss. Occupied by Mary O'Flaherty as dwelling. Loss, trifling. Cause, lamp fell from bracket.

Sunday, May 3, 5.08 A. M. Box 215. No. 742 Cambridge Street. Owned and occupied by Lois Sandler as dwelling. Loss, trifling. Cause, careless dropping match on clothing.

Sunday, May 3, 12.10 P. M. Still alarm. Whittemore Avenue. Owned by Penny heirs. Loss, \$35. Insurance, \$1,800. Occupied by W. Henderson as dwelling. Cause, sparks on roof from chimney.

Sunday, May 3, 7.27 P. M. Still alarm. Brookline Street. Cause, dry dirt on bridge.

Sunday, May 3, 9.23 P. M. Still alarm. No. 123 Otis Street. Owned by A. L. Wyatt heirs. Loss, trifling. Occupied by E. Ball as dwelling. Cause, sparks on roof from chimney.

Sunday, May 3, 9.40 P. M. Box 341. Talbot Street. Owned by John Reardon Co. as rubbish and barrels. Cause, set by boys.

Monday, May 4, 7.53 P. M. Box 191. No. 108 Seventh Street. Owned and occupied by John Rumley as dwelling. Loss, \$62. Insurance, \$2,000. Cause, lamp exploded.

Wednesday, May 6, 12.59 A. M. Box 27. No. 5 Clark Street. Owned by Windsor Trust Co. Loss, \$376. Insurance, \$2,000. Occupied by Goodman & Windcour as cabinet makers. Loss, \$345. Insurance, \$1,500. Cause, rats and matches in partition.

Wednesday, May 6, 8.00 A. M. Still alarm. Cor. Norfolk and Austin Streets. Cat in tree.

Thursday, May 7, 9.10 P. M. Box 282. No. 23 Pine Street. Owned by James Creedle. Occupied by J. S. Collins as dwelling. Cause, smoke from stove.

Sunday, May 10, 4.59 P. M. Box 123. False alarm.

Monday, May 11, 3.21 P. M. Box 411. Prospect Street. Owned by W. H. McCarthy as automobile. Loss, \$50. Insurance, \$1,000.

Monday, May 11, 7.34 P. M. Still alarm. Henry Street. Owned by B. & A. R. R. as railroad ties. Loss, trifling. Cause, set by boys.

Monday, May 11, 8.07 P. M. Box 461. No. 5 Putnam Avenue. Owned and occupied by Herbert Tubbs as dwelling. Loss, \$200. Insurance, \$5,000. Cause, careless dropping fire in rubbish in cellar.

Monday, May 11, 7.40 P. M. Still alarm. Charles River Road. Dump fire.

Tuesday, May 12, 10.35 A. M. Still alarm. Charles River Road. Owned by J. J. Kelley as dwelling. No loss. Cause, kettle of fat.

Saturday, May 16, 7.22 A. M. Still alarm. Engine No. 5 responded to Somerville Box 26.

Sunday, May 17, 8.56 A. M. Still alarm. No. 10 Eighth Street. Owned and occupied by Patrick Carroll as dwelling. Cause, smoke from stove.

Sunday, May 17, 4.33 P. M. Box 434. Corner Green and Bay Streets. Owned by Boston Elevated Railway Co. as unoccupied stable. Loss, trifling. Cause, children playing with matches.

Sunday, May 17, 8.09 P. M. Box 361. No. 30 Park Street. Owned by Peter Massa. Loss, \$35. Insurance, \$3,600. Cause, rubbish barrel against house.

Monday, May 18, 4.17 A. M. Box 47. Mt. Auburn Street. Owned by Claverly Hall Association as dormitory. Loss, \$200. Insurance, \$190,000. Occupied by Wm. Rand. Loss, \$500. No insurance. Cause, dropping fire on chair.

Monday, May 18, 3.17 P. M. Box 292. Alarm for fire in Somerville.

Tuesday, May 19, 1.07 A. M. Box 351. Corner Putnam Avenue and Pearl Street. Rubbish barrel.

Wednesday, May 20, 1.00 P. M. Still alarm. Near Charles River Road. R. R. ties. Loss, trifling.

Thursday, May 21, 7.15 A. M. Still alarm. No. 12 Channing Street. Owned by A. E. Grozier. Loss, \$200. Insurance, \$12,500. Occupied by R. Earl as dwelling. Loss, \$43. Insurance, \$2,000. Cause, filling alcohol lamp near gas stove.

Friday, May 22, 12.29 P. M. Box 123. False alarm.

Saturday, May 23, 11.29 A. M. Box 311. No. 25 Sidney Street. Owned by L. M. Hannum. Loss, \$1,083. Insurance, \$1,600. Occupied by P. Demos as dwelling. Loss, \$218. Insurance, \$500. Occupied by C. Nahigian. Loss, \$150. Insurance, \$1,000. Cause, child set fire in clothes closet.

Saturday, May 23, 12.08 P. M. Still alarm. No. 16½ Winter Street. Owned by John Sharkey as shed. No loss. Cause, set by boys.

Saturday, May 23, 2.35 P. M. Still alarm. Fresh Pond Park. Cause, brush fire.

Saturday, May 23, 7.40 P. M. Still alarm. Commercial Avenue Bridge. Cause, dust on bridge.

Saturday, May 23, 10.50 P. M. Box 233. No. 3 Dickinson Street. Owned by H. D. Hicks as dwelling. Loss, \$40. Insurance, \$2,000. Cause, rats in partition.

Sunday, May 24, 1.00 P. M. Box 237. No. 6 Plymouth Street. Fence fire.

Monday, May 25, 10.12 A. M. Still alarm. Prospect and Hampshire Streets. Electric light pole.

Monday, May 25, 11.50 A. M. Box 37. No. 344 Putnam Avenue. Owned by Gabriel Becker. Occupied by Julia Coburn as dwelling. Loss, trifling. Cause, oil stove took fire.

Monday, May 25, 1.50 P. M. Still alarm. No. 36 Ash Street. Owned by Clara Stevens as dwelling. Cause, smoke from stove.

Tuesday, May 26, 8.34 A. M. Box 281. No. 72 Elm Street. Owned by T. Crane as dwelling. Cause, oil on stove.

Tuesday, May 26, 12.35 P. M. Still alarm. No. 21 Fourth Street. Owned by Felix O'Neil as dwelling. Cause, smoke from stove.

Tuesday, May 26, 12.36 P. M. Still alarm. No. 16 South Street. Owned by University Associates. Playhouse. Occupied by Emma Best. Children set fire to playhouse. No loss.

Tuesday, May 26, 4.05 P. M. Still alarm. River Street Playground. Rubbish fire.

Tuesday, May 26, 7.40 P. M. Still alarm. Fresh Pond Park. Brush fire.

Wednesday, May 27, 9.29 A. M. Box 894. No. 197 Lakeview Avenue. Owned and occupied by Charles Butcher as oil polish factory. Loss, \$100. Insurance, \$2,000. Cause, sparks on roof.

Wednesday, May 27, 9.38 A. M. Box 347. No. 93 Brookline Street. Occupied by M. Galvin as dwelling. Cause, smoke from stove.

Wednesday, May 27, 2.07 P. M. Still alarm. Rear Spring Street. Dump fire.

Wednesday, May 27, 4.12 P. M. Still alarm. Vassar Street. Dump fire.

Wednesday, May 27, 7.57 P. M. Still alarm. Concord Avenue. Dump fire.

Wednesday, May 27, 8.04 P. M. Still alarm. Albany Street. Dump fire.

Thursday, May 28, 2.07 A. M. Box 29. No. 328 Prospect Street. Owned by D. Heffernan. Loss, \$230. Insurance, \$3,000. Occupied by E. Linquest as dwelling. Loss, \$50. Insurance, \$1,000. Cause, careless smoking in bed.

Thursday, May 28, 5.15 P. M. Box 32. No. 138 Albany Street. Owned and occupied by Columbia Concrete Co. as tool house. No loss. Cause, set afire by children.

Thursday, May 28, 11.15 P. M. Still alarm. Concord Avenue. Dump fire.

Friday, May 29, 10.13 P. M. Box 191. Sixth Street. Dump fire.

Saturday, May 30, 8.53 A. M. Box 453. No. 202 Banks Street. Owned by Thomas Grace as unoccupied dwelling. Cause, fire in cellar to dry plaster.

Sunday, May 31, 11.26 A. M. Box 471. No. 31 Mill Street. Owned by University Associates as dwelling. Loss, \$500. Insurance, \$6,500. Cause, sparks on roof.

Sunday, May 31, 1.34 P. M. Box 195. No. 176 Gore Street. Owned by J. P. Squire estate. Loss, trifling. Occupied by George Smith as dwelling. Loss, trifling. Cause, child set fire to curtain.

Sunday, May 31, 7.25 P. M. Still alarm. No. 594 Massachusetts Avenue. Street rubbish barrel.

JUNE.

Monday, June 1, 2.07 A. M. Box 684. Third alarm. No. 205 Richdale Avenue. Owned by A. H. Hews Co. Loss, \$5,853. Insurance, \$5,853. Occupied by A. H. Hews Co. as pottery storage house. Loss, \$2,567.77. Insurance, \$2,567.77. Cause, rats and matches in straw. No. 180 Richdale Avenue. Owned by T. H. Locke as dwelling. Loss, \$154.40. Insurance, \$2,000. Cause, exposed to fire at No. 205. Raymond Street, Owned by William Gibson as dwelling. Loss, \$475. Insurance, \$3,500. Cause, exposed to No. 205.

Monday, June 1, 6.45 A. M. Still alarm. Blake Street. Owned by G. H. Loyd as automobile. Loss, trifling.

Monday, June 1, 7.12 A. M. Box 54. No. 20 Bradbury Street. Owned and occupied by Nunzia Giovanni as dwelling. Loss, trifling. Cause, dropping fire in wood box.

Tuesday, June 2, 1.01 A. M. Box 621. Fire in Somerville. No. 72 Eustis Street. Owned by M. Pimento as dwelling. Loss, \$228.50. Insurance, \$4,000. Cause, exposed to fire in Somerville.

Tuesday, June 2, 10.43 A. M. Box 21. No. 783 Cambridge Street. Owned by A. G. Delay as barn and ash box. Loss, \$176. Insurance, \$400. Cause, hot ashes in barrel.

Wednesday, June 3, 8.25 A. M. Still alarm. Concord Avenue. Dump fire.

Wednesday, June 3, 6.27 P. M. Box 134. First Street. Owned and occupied by E. D. Sawyer as shed. No loss. Cause, sparks on roof.

Wednesday, June 3, 6.45 P. M. Still alarm. No. 5 Carlton Street. Owned by W. R. Bacon as automobile. Loss, \$250. Insurance, \$2,000. Cause, spark from motor.

Wednesday, June 3, 8.32 P. M. Box 32. Vassar Street. Dump fire.

Friday, June 5, 12.43 P. M. Box 791. No. 35 Harvey Street. Owned by Charles Cummings. Occupied by Patrick Gaudet as dwelling. No loss. Cause, chimney fire.

Friday, June 5, 1.45 P. M. Still alarm. Story Street. Ladder No. 1 took cat from roof.

Friday, June 5, 8.04 P. M. Box 32. Albany Street. Owned by W. McNally as merry-go-round. Loss, trifling. Cause, upset can of gasoline.

Saturday, June 6, 10.52 A. M. Box 29. No. 137 Tremont Street. Owned by J. H. Keenan as ash barrel house. Loss, \$10. No insurance. Cause, hot ashes in barrel.

Saturday, June 6, 1.15 P. M. Still alarm. Fresh Pond Park. Brush fire.

Saturday, June 6, 10.02 P. M. Still alarm. Vassar Street. Dump fire.

Sunday, June 7, 2.00 P. M. Box 195. No. 5 Squires Court. Fence fire.

Monday, June 8, 10.12 A. M. Box 21. No. 127 Willow Street. Owned by Samuel Greenwood. Loss, \$150. Insurance, \$1,800. Occupied by B. Liderman as dwelling. Loss, \$75. Insurance, \$500. Cause, children set fire in closet.

Monday, June 8, 9.05 P. M. Still alarm. Concord Avenue. Dump fire.

Wednesday, June 10, 1.06 P. M. Box 741. False alarm.

Wednesday, June 10, 2.05 P. M. Still alarm. Ellsworth Avenue. Cat in tree.

Wednesday, June 10, 5.59 P. M. Box 237. Near Binney Street. Owned by B. & A. R. R. as freight car. Loss, \$35. Insurance, \$1,500. Occupied by Hosmer & Robinson as hay. Loss, \$190.91. No insurance. Cause, set afire by boys.

Thursday, June 11, 3.39 P. M. Box 61. No. 56 Baldwin Street. Owned by Edward Monahan. Loss, \$75. Insurance, \$3,500. Occupied by Peter Kelley as dwelling. Loss, \$100. Insurance, \$500. Cause, child set fire in clothes closet.

Thursday, June 11, 4.20 P. M. Still alarm. No. 142 Lexington Avenue. Owned and occupied by Edward Borgenson as dwelling. Loss, trifling. Cause, children set fire to rubbish in cellar.

Friday, June 12, 7.15 A. M. Box 453. No. 172 Putnam Avenue. Owned by G. A. Wilton. Loss, \$75. Insurance, \$5,000. Occupied by B. Zinkin as dwelling. Loss, \$100. Insurance, \$500. Cause, child set fire in closet.

Saturday, June 13, 5.12 A. M. Still alarm. No. 131 Amory Street. Owned and occupied by John Whitston as dwelling. Loss, \$25. Insurance, \$2,200. Cause, hot ashes in barrel against house.

Saturday, June 13, 7.50 A. M. Still alarm. No. 21 Warren Street. Owned by D. Traci. Loss, \$30. Insurance, \$2,500. Occupied by P. Matello as dwelling. No loss. Cause, defect in chimney.

Sunday, June 14, 1.54 P. M. Still alarm. Engine No. 5 responded to Somerville Box 26.

Sunday, June 14, 3.01 P. M. Still alarm. No. 197 Hampshire Street. Owned by McCue heirs. Loss, \$5. Insurance, \$100. Occupied by N. H. Gillis as carpenter shop. No loss. Cause, sparks on roof.

Monday, June 15, 5.03 P. M. Box 236. No. 49 Bristol Street. Owned by Morris Sovrensky as unoccupied shed. Loss, trifling. Set afire by boys.

Tuesday, June 16, 11.05 A. M. Still alarm. No. 351 Portland Street. Owned by A. Ranlintis as ash barrel house. Loss, \$50. Insurance, \$3,000. Cause, hot ashes in barrels. Damage to dwelling.

Tuesday, June 16, 3.11 P. M. Box 27. No. 9 Harrison Street. Owned by Brooks estate. Loss, trifling. Occupied by John Simon as dwelling. No loss. Cause, boys set fire to barrel in cellar.

Tuesday, June 16, 5.04 P. M. Box 236. No. 24 Hardwick Street. Owned by Cornelius Callahan as ash house. Loss, \$25. Insurance, \$4,000. Cause, boys set fire. Damage to dwelling.

Tuesday, June 16, 5.15 P. M. Still alarm. No. 59 Washington Street. Owned by Celia Winer as dwelling. Cause, chimney fire.

Tuesday, June 16, 8.04 P. M. Box 346. Tudor Street. Ball shield on playground. Cause, set by boys.

Tuesday, June 16, 9.21 P. M. Box 83. Concord Avenue. Dump fire.

Tuesday, June 16, 9.30 P. M. Box 381. No. 272 Western Avenue. Owned by S. Ponte. Loss, \$55. Insurance, \$5,000. Occupied by Samuel Marshall as grocery. No loss. Cause, fire thrown through cellar window.

Tuesday, June 16, 10.50 P. M. Box 381. No. 251 River Street. Owned and occupied by B. E. Levine as storage. Loss, \$300. Insurance, \$700. Cause, incendiary. Box 37, alarm for same as from Box 381.

Wednesday, June 17, 11.36 A. M. Still alarm. Engine No. 5 responded to Somerville Box 219.

Wednesday, June 17, 12.23 P. M. Box 461. No. 1096 Massachusetts Avenue. Owned by John F. O'Brien as unoccupied dwelling. Loss, \$25. Insurance, \$1,000. Cause, sparks on roof.

Wednesday, June 17, 12.44 P. M. Box 273. No. 3 Vassar Street. Owned and occupied by Stone & Webster as office. Loss, trifling. Cause, boys set fire to tar paper on building.

Wednesday, June 17, 12.45 P. M. Box 434. Corner Green and Bay Streets. Owned by Boston Elevated Railway Co. as unoccupied stable. No loss. Cause, fire on roof.

Wednesday, June 17, 12.47 P. M. Box 434. No. 1096 Massachusetts Avenue. Cause, rekindle of fire on roof.

Wednesday, June 17, 4.55 P. M. Box 342. Brookline Street. Cause, dust afire on bridge.

Wednesday, June 17, 5.48 P. M. Box 434. Corner Green and Bay Streets. Owned by Boston Elevated Railway Co. as unoccupied stable. Loss, \$1,250. Insurance, \$2,000. Cause, incendiary. No. 1-5 Cottage Row. Owned by L. M. Hannum as dwelling. Loss, \$100. Insurance, \$5,000. Cause, exposed to stable fire.

Wednesday, June 17, 8.07 P. M. Box 23. No. 49 Bristol Street. Owned and occupied by Morris Sovrensky as shed. Loss, trifling. Cause, set afire by boys.

Wednesday, June 17, 8.22 P. M. Box 124. No. 95 Winter Street. Owned by J. P. Squire estate as dwelling. Loss, trifling. Cause, firecracker on roof.

Wednesday, June 17, 9.30 P. M. Still alarm. Concord Avenue. Dump fire.

Wednesday, June 17, 10.46 P. M. Box 472. No. 1230 Massachusetts Avenue. Owned by University Associates. No loss. Occupied by Harvard Garage Co. Loss, \$225. Insurance, \$500. Cause, back fire in automobile.

Thursday, June 18, 1.52 A. M. Box 134. First Street. Owned by D. Dougherty. Loss, \$75. Insurance, \$2,500. Occupied by Parker & Page as dry house. Loss, \$40. Insurance, \$700. Cause, firecracker on roof.

Thursday, June 18, 1.15 P. M. Box 153. Third Street. Owned by Cambridge Gas Light Co. as dredging machine. No loss. Sparks from engine.

Thursday, June 18, 3.20 P. M. Still alarm. Mt. Auburn Cemetery. Cause, blacksmith shop in Watertown.

Thursday, June 18, 5.15 P. M. Box 245. No. 81 Broadway. Owned by Walter Coleman as dwelling. Loss, \$238. Insurance, \$2,000. Cause, sparks on roof.

Thursday, June 18, 6.45 P. M. Box 13. Cambridge Street. Electric cable burned off.

Thursday, June 18, 6.50 P. M. Box 24. Broadway and Portland Street. Electric cable burned off.

Sunday, June 21, 7.10 A. M. Still alarm. No. 15 Grant Street. Owned by Walter Wardwell as dwelling. Cause, chimney fire.

Sunday, June 21, 12.05 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 26.

Sunday, June 21, 12.58 P. M. Still alarm. No. 112 Berkshire Street. Owned by Joseph Lacas. Loss, \$162.25. Insurance, \$4,000. Occupied by M. Canney as dwelling. Loss, \$6. No insurance. Cause, gas stove too near woodwork.

Sunday, June 21, 2.43 P. M. Still alarm. Rindge Avenue. Dead tree set afire by boys.

Monday, June 22, 7.55 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 21.

Tuesday, June 23, 10.35 A. M. Box 61. No. 33 Myrtle Street. Owned and occupied by J. J. Powers as shed. Loss, \$21.50. Insurance, \$1,000. Cause, rubbish set afire by boys.

Wednesday, June 24, 8.54 A. M. Still alarm. Corner Putnam Avenue and River Street. Electric light pole.

Wednesday, June 24, 11.50 A. M. Still alarm. Mt. Auburn Street. Grass fire.

Wednesday, June 24, 3.55 P. M. Still alarm. Off Albany Street. Boys buried in caving of sand.

Wednesday, June 24, 9.05 P. M. Still alarm. No. 1619 Massachusetts Avenue. Owned and occupied by Leonardi and Long as storage. No loss. Cause, spontaneous in oakum.

Thursday, June 25, 11.10 A. M. Box 12. No. 8 Stevens Court. Owned by J. N. Arénson as shed. Loss, \$35. No insurance. Cause, set afire by boys. No. 6 Fourth Street. Owned by A. Soloskinsky as dwelling. Loss, \$442. Insurance, \$2,500. Occupied by M. Pietinster as dwelling. Loss, \$25. No insurance. Cause, exposed to shed fire.

Thursday, June 25, 1.34 P. M. Still alarm. First Street. Grass fire.

Thursday, June 25, 6.23 P. M. Still alarm. Concord Avenue. Dump fire.

Thursday, June 25, 9.00 A. M. Assistance sent to Salem.

Friday, June 26, 3.56 P. M. Still alarm. Sparks Street. Rubbish.

Friday, June 26, 9.35 P. M. Still alarm. River Parkway. Grass fire.

Saturday, June 27, 5.16 P. M. Still alarm. No. 111 Inman Street. Owned by John Duff. No loss. Occupied by Peter Doucett as dwelling. Loss, trifling. Cause, tobacco pipe in coat pocket.

Saturday, June 27, 5.45 P. M. Box 78. No. 2443 Massachusetts Avenue. Owned by Sarah Henderson as factory. No loss. Cause, lighted match in mail box.

Saturday, June 27, 1.30 P. M. Still alarm. Raymond Street. Dump fire.

Sunday, June 28, 2.40 P. M. Box 311. No. 27 Brookline Street. Owned and occupied by A. W. Eckman. Loss, \$37. Insurance, \$1,500. Cause, smoking in bed.

Sunday, June 28, 3.07 P. M. Still alarm. Essex Street. Smell of damp soot.

Sunday, June 28, 3.56 P. M. Still alarm. No. 1 Oak Circle. Owned by Arthur Burns. Loss, \$20. Insurance, \$4,000. Occupied by Sidney Tinson as dwelling. No loss. Cause, gas stove too near woodwork.

JULY.

Wednesday, July 1, 8.39 A. M. Still alarm. No. 70 Washington Street. Owned by Rogers estate. No loss. Occupied by Joseph Nelmott as dwelling. No loss. Cause, oil stove took fire.

Wednesday, July 1, 4.56 P. M. Box 72. No. 36 Cogswell Avenue. Owned by David Tappan. Loss, \$275. Insurance, \$3,000. Occupied by William Varney as dwelling. Loss, \$249.80. Insurance, \$1,000. Cause, child set fire in clothes closet.

Thursday, July 2, 12.12 P. M. Still alarm. No. 120 Mt. Auburn Street. Owned by A. Hemmingway. Loss, \$100. Insurance, \$15,000. Occupied by D. F. McCarthy as dwelling. No loss. Cause, hot ashes in barrel.

Thursday, July 2, 5.12 P. M. Still alarm. No. 833 Main Street. Owned by G. F. Leonard. No loss. Occupied by C. Adams as undertaker. No loss. Cause, match dropped in switch box on wall.

Thursday, July 2, 7.13 A. M. Still alarm. Corner Massachusetts Avenue and Chester Street. Electric pole.

Friday, July 3, 8.30 P. M. Still alarm. Winter Street. Bonfire.

Friday, July 3, 9.15 P. M. Still alarm. Magnolia Avenue. Bonfire.

Friday, July 3, 10.30 P. M. Still alarm. Bridge Street. Bonfire.

Saturday, July 4, 12.41 A. M. Still alarm. No. 1268 Cambridge Street. Owned by Inman Garage Co. No fire. Cause, reflection from torch used by workmen.

Saturday, July 4, 2.09 P. M. Still alarm. Dana Street. Cause, dead tree fire.

Saturday, July 4, 3.15 P. M. Still alarm. No. 18 Clark Street. Owned by W. F. Brooks as dwelling. No loss. Cause, firecracker on piazza.

Saturday, July 4, 3.26 P. M. Box 89. Concord Avenue. Owned by N. E. Brick Co. as shed. Cause, firecracker on roof.

Saturday, July 4, 8.15 P. M. Still alarm. No. 28 Sacramento Street. Owned by G. Hough as unoccupied dwelling. Loss, \$30. Insurance, \$3,000. Cause, firecrackers on roof.

Saturday, July 4, 9.25 P. M. Still alarm. University Road. Owned and occupied by University Press as shed. Loss, trifling. Cause, skyrocket on roof.

Saturday, July 4, 11.05 P. M. Still alarm. No. 257 Cambridge Street. Owned by Elma Blake as dwelling. Loss, \$10. Insurance, \$750. Cause, firecracker on roof.

Sunday, July 5, 2.35 A. M. Box 493. No. 54 Ellery Street. Owned and occupied by Margret White as dwelling. Loss, \$1,800. Insurance, \$1,800. Cause, unknown.

Monday, July 6, 7.46 A. M. Box 351. No. 9 Kenwood Street. Owned by Thomas Gian. Loss, \$446. Insurance, \$1,000. Occupied by E. Rideout as dwelling. Loss, \$334. Insurance, \$500. Cause, use of match in clothes closet.

Monday, July 6, 9.29 A. M. Box 13. No. 4 Lechmere Square. Owned by Charles Fine. Loss, \$576. Insurance, \$6,500. Occupied by Charles Fine as dwelling. Loss, \$104. Insurance, \$500. Cause, children set fire to rubbish on attic stairs.

Monday, July 6, 4.50 P. M. Box 29. No. 381 Prospect Street. Owned and occupied by A. F. Stickney as dwelling. Loss, \$35.50. Insurance, \$2,000. Cause, oil stove took fire.

Tuesday, July 7, 4.26 P. M. Box 72. No. 2105 Massachusetts Avenue. Owned by William F. Brooks. Loss, \$120. Insurance, \$9,000. Occupied by A. E. Long as undertaker. Loss, \$180. Insurance, \$500. Occupied by Joseph St. Pierrie as druggist. Loss, \$85. Insurance, \$6,000. Cause, candle set fire to clothing.

Tuesday, July 7, 7.14 P. M. Box 237. Binney Street. Owned by B. & A. R. R. as car. Loss, \$40. Insurance, \$2,000. Occupied by Stanley & Harlow as straw. Loss, \$100. Insurance, \$165. Cause, set afire by boys.

Thursday, July 9, 6.55 A. M. Box 15. Rogers Street. Owned by Independent Wood Co. Loss, \$564. Insurance, \$5,000. Occupied by Shargo and Rosengard as cabinet shop. Loss, \$1,380. Insurance, \$3,000. Cause, oil lamp to heat glue on bench took fire.

Thursday, July 9, 10.08 A. M. Box 27. No. 708 Main Street. Owned by Endicott Building Association. Loss, trifling. Occupied by W. Zirkel as factory.

Thursday, July 9, 11.43 A. M. Still alarm. Mt. Auburn Street. Owned by Harvard College as infirmary. No fire; smoke mistaken for fire.

Thursday, July 9, 8.02 P. M. Still alarm. Franklin Street. Cause, dead tree.

Friday, July 10, 9.02 P. M. Box 191. Ninth Street. Owned by City of Cambridge as fence around playground. Set afire by boys.

Tuesday, July 14, 7.18 P. M. Box 411. No. 222 Prospect Street. Owned by C. Siegel. Loss, \$85. Insurance, \$6,750. Occupied by R. Anderson as dwelling. No loss. Cause, careless dropping fire in rubbish barrel in basement.

Wednesday, July 15, 9.48 A. M. Still alarm. No. 489 Putnam Avenue. Owned by Swift agent. Occupied by Joseph Saterali as shoe shop. No loss. Cause, smoke from rubbish in cellar.

Wednesday, July 15, 9.50 A. M. Box 191. No. 328 Vine Street. Owned and occupied by W. A. Grostein as milk stable. Cause, smoke in room in cellar.

Wednesday, July 15, 12.46 P. M. Still alarm. No. 6 Warren Street. Owned by Bernard Rothstein. Loss, \$220. Insurance, \$4,000. Occupied by Martin Ledman as bakery. No loss. Cause, overheated oven.

Wednesday, July 15, 10.41 P. M. Box 511. No. 23 Brattle Street. Owned by W. L. Whitney. Loss, \$201. Insurance, \$1,500. Occupied by Worcester Bros. as furniture store. Loss, \$892. Insurance, \$10,000. Cause, rats in excelsior.

Friday, July 17, 12.18 A. M. Box 791. No. 31 Harvey Street. Owned by Woodford Coal Co. Loss, \$500. Insurance, \$500. Occupied by E. Harrington as wood and coal shed. Loss, \$1,000. Insurance, \$1,000. Cause, burning waste paper blown from dump.

Friday, July 17, 7.59 P. M. Box 27. No. 12 Osborne Street. Owned by Endicott estate. Loss, trifling. Occupied by Standard Action Co. as factory. No loss. Cause, dust over boiler.

Saturday, July 18, 12.04 A. M. Box 346. False alarm.

Saturday, July 18, 2.35 A. M. Box 27. No. 12 Osborn Street. Owned by Endicott estate as boiler room. Loss, \$1,029. Insurance, \$99,000. Cause, roof fire from overheated boiler.

Saturday, July 18, 10.50 P. M. Box 29. Prospect Street. Owned by J. Coyle as automobile.

Sunday, July 19, 4.10 P. M. Box 23. No. 31 Portsmouth Street. Owned by McFarland estate as dwelling. No loss. Cause, rubbish in cellar set afire by children.

Monday, July 20, 10.14 A. M. Box 151. No. 246 First Street. Owned and occupied by Barbor Paving Co. as factory. Loss, \$330. No insurance. Cause, boiler of tar took fire.

Monday, July 20, 6.55 P. M. Box 38. No. 21 Upton Street. Owned by William Holden as dwelling. Loss, \$5. Insurance, \$3,000. Cause, rubbish barrel against house.

Tuesday, July 21, 8.35 P. M. Box 13. No. 187 Cambridge Street. Owned by B. Ferguson. Loss, \$96. Insurance, \$10,000. Occupied by A. Silvia as grocery. Loss, \$315.90. Insurance, \$1,500. Cause, careless leaving fire on shelf.

Tuesday, July 21, 9.21 P. M. Box 453. No. 335 Western Avenue. Owned by P. H. Greenwood. Loss, \$250. Insurance, \$6,500. Occupied by A. Pierce as dwelling on second floor. Loss, \$10. No insurance. Cause, incendiary on unoccupied first floor.

Wednesday, July 22, 9.37 P. M. Still alarm. Engine No. 5 responded to Somerville Box 219.

Thursday, July 23, 11.20 A. M. Box 242. No. 176 Broadway. Owned and occupied by Lever Bros. as soap factory. No loss. Cause, hot bolt on floor.

Thursday, July 23, 9.31 P. M. Box 391. No. 72 Pearl Street. Owned by Robbins Bros. Loss, \$108. Insurance, \$6,000. Occupied by Harry Sumner as barber shop. Loss, \$15. Insurance, \$400. Occupied by B. Dinkin as tailor. Loss, \$20. Insurance, \$500. Cause, cigarette in towel basket in barber shop.

Saturday, July 25, 7.55 A. M. Still alarm. No. 16 Gerry Street. Owned and occupied by G. Graham as dwelling. Cause, chimney fire.

Sunday, July 26, 5.28 P. M. Box 195. No. 139 Gore Street. Owned by Angelo Scotti as dwelling. Loss, trifling. Cause, smoking on bed on roof.

Sunday, July 26, 8.23 P. M. Box 311. No. 35 Brookline Street. Owned by F. G. Snow. Loss, trifling. Occupied by M. A. Bridges as dwelling. Loss, \$10. No insurance. Cause, cigar on bureau cover.

Sunday, July 26, 8.40 P. M. Box 247. No. 46 Washington Street. Owned by Rogers estate as dwelling. Loss trifling. Cause, match on curtain.

Monday, July 27, 6.35 A. M. Box 282. No. 136 Pine Street. Owned by Stoller & Berkman. Loss, trifling. Occupied by J. Greenberg as dwelling. Loss, trifling. Cause, curtain on oil stove.

Monday, July 27, 10.32 A. M. Box 293. Hampshire Street. Owned and occupied by City of Cambridge as boiler room. No loss. Cause, sparks from under boiler.

Monday, July 27, 12.44 P. M. Still alarm. Engine No. 5 responded to Somerville Box 26.

Monday, July 27, 3.52 P. M. Box 723. No. 18 Rice Street. Owned and occupied by Griffin Bros. Loss, \$960. Insurance, \$4,500. Cause, rats in partition.

Tuesday, July 28, 2.00 P. M. Box 236. No. 10 Hardwick Street. Owned by Ten Associates as dwelling. Loss, \$20. Insurance, \$2,250. Cause, ash barrel house set afire by boys.

Tuesday, July 28, 4.10 P. M. Box 247. No. 589 Main Street. Owned by Rogers estate as dwelling. Cause, chimney fire.

Wednesday, July 29, 12.30 P. M. Still alarm. Main and Pelham Streets. Electric car.

Wednesday, July 29, 3.46 P. M. Box 65. False alarm.

Wednesday, July 29, 7.35 P. M. Still alarm. No. 114 Magazine Street. Owned by C. P. Keith. No loss. Occupied by M. Stewart as grocery. Loss, \$12. Insurance, \$500. Cause, tobacco pipe in coat pocket.

Wednesday, July 29, 8.37 P. M. Still alarm. Lee and Harvard Streets. Electric wire on tree.

Thursday, July 30, 6.02 P. M. Still alarm. Near Cambridge Street. Freight car. Cause, rubbish in car set afire by boys.

Friday, July 31, 4.28 P. M. Box 176. No. 32 Potter Street. Owned and occupied by Warren Bros. as asphalt paving factory. Loss, \$118.75. Insurance, \$1,600. Cause, tank of tar boiled over, taking fire.

AUGUST.

Saturday, August 1, 12.09 P. M. Box 191. No. 144 Spring Street. Owned by John Doyle. No loss. Occupied by Cornelius Curtayne as dwelling. No loss. Cause, oil stove took fire.

Saturday, August 1, 4.48 P. M. Box 13. No. 185 Cambridge Street. Owned and occupied by Mansion House Ice Cream Co. No fire. Cause, explosion of ammonia in basement.

Saturday, August 1, 6.02 P. M. Still alarm. Sidney Street. Dump fire.

Sunday, August 2, 12.12 P. M. Box 291. No. 1921 Cambridge Street. Owned by Squires estate. Occupied by Lois Luditz as store. Loss, \$20. Insurance, \$100. Cause, fire dropped on awning.

Monday, August 3, 12.48 A. M. Box 19. False alarm.

Monday, August 3, 9.11 P. M. Box 381. No. 242 Western Avenue. Owned by Annie Aronson. Loss, \$20. Insurance, \$3,000. Occupied by Rose Fushna as dwelling. Loss, \$30. Insurance, \$500. Cause, candle set fire to curtain.

Tuesday, August 4, 7.15 P. M. Still alarm. Near Cambridge Street. Cause, rubbish on B. & A. R. R.

Thursday, August 6, 4.44 A. M. Box 28. No. 145 Norfolk Street. Owned by Bella Floyd as unoccupied dwelling. Cause, fumigating rooms.

Thursday, August 6, 12.21 P. M. Still alarm. No. 1501 Cambridge Street. Grass fire.

Thursday, August 6, 12.50 P. M. Still alarm. Engine No. 5 responded to Somerville, Springfield Street.

Thursday, August 6, 8.56 P. M. Box 16. Off Third Street. Cause, rubbish on open land.

Monday, August 10, 8.59 A. M. Still alarm. No. 25 Inman Street. Cat in tree.

Monday, August 10, 2.45 P. M. Box 237. Near Binney Street. Cause, rubbish in freight car.

Monday, August 10, 5.23 P. M. Box 13. No. 29 Otis Street. Owned by John Quinn Sons' Co. Loss, \$550. Insurance, \$1,000. Occupied by John Quinn Sons' Co. as lumber storage. Loss, \$1,260. Insurance, \$1,260. Cause, boys set fire to shed.

Tuesday, August 11, 11.16 P. M. Box 27. No. 711 Main Street. Owned by Brooks estate. Loss, \$100. Insurance, \$6,000. Occupied by E. Assiel as fruit store. Loss, \$300. Insurance, \$500. Cause, dropping cigarette.

Thursday, August 13, 7.58 P. M. Still alarm. No. 156 Huron Avenue. Owned by E. La Pierre as dwelling. Cause, chimney fire.

Friday, August 14, 10.55 P. M. Still alarm. Brookline Street. Dump fire.

Saturday, August 15, 11.30 A. M. Box 293. No. 46 Lincoln Street. Owned by P. H. Conlan. No loss. Occupied by J. Tomlinska as dwelling. Loss, trifling. Cause, oil stove took fire.

Saturday, August 15, 4.15 P. M. Box 137. Near Binney Street. Owned by B. & A. R. R. as empty freight car. Loss, \$700. Insurance, \$700. Cause, set afire by boys.

Sunday, August 16, 7.42 P. M. Box 27. No. 53 School Street. Owned by Walter Ford. Loss, trifling. Occupied by M. McClintock as dwelling. Loss, trifling. Cause, curtain on gas light.

Monday, August 17, 1.06 P. M. Box 453. No. 22 Hayes Street. Owned by M. Hews. No loss. Occupied by W. Berkley as dwelling. No loss. Cause, children set fire to rubbish in cellar.

Monday, August 17, 3.24 P. M. Box 234. No. 48 Webster Avenue. Owned by B. Andelman. Loss, \$50. Insurance, \$5,000. Cause, ash barrel box against house set afire by boys.

Tuesday, August 18, 1.35 P. M. Box 381. No. 27 Howard Street. Owned by L. Cameron as dwelling. Cause, smoke from stove.

Tuesday, August 18, 7.20 P. M. Still alarm. Concord Avenue. Dump fire.

Wednesday, August 19, 6.30 P. M. Box 453. No. 142 Putnam Avenue. Owned by James Cradle. Occupied by Grace Hogan as dwelling. Loss, trifling. Cause, child set fire to curtain.

Thursday, August 20, 3.03 P. M. Box 137. B. & M. R. R. yard. Occupied by L. Ryan Co. as carload of sawdust. Loss, \$50. Insurance \$1,000. Cause, spark from locomotive.

Saturday, August 22, 4.52 A. M. Box 19. Cambridge Street. Owned by Charles Blake. Loss, \$235. Insurance, \$5,000. Occupied by A. Bacinsky as grocery. Loss, \$200. Insurance, \$700. Cause, rats and matches.

Sunday, August 23, 2.02 A. M. Box 13. False alarm.

Sunday, August 23, 9.03 A. M. Box 291. No. 266 Elm Street. Owned by A. H. Nickerson. Loss, \$50. Insurance, \$500. Occupied by Pill Bros. as storage. Loss, \$1,715. Insurance, \$4,500. Cause, cigarette in sawdust spit box.

Sunday, August 23, 9.29 A. M. Still alarm. No. 320 Portland Street. Owned and occupied by John C. Dow as soap factory. No loss. Cause, fire in soft coal in boiler room.

Sunday, August 23, 5.45 P. M. Still alarm. No. 3 Marcella Street. Owned by Pelnio Lepore. Loss, trifling. Occupied by Stanly Kozo as dwelling. Loss, \$10. No insurance. Cause, smoking in bed.

Sunday, August 23, 8.54 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 21.

Monday, August 24, 3.10 P. M. Still alarm. Brookline Street. Dust on bridge.

Monday, August 24, 5.27 P. M. Box 282. No. 141 Windsor Street. Owned by Arthur Spencer. Loss, \$15. Insurance, \$1,000. Occupied by F. A. Armstrong as dwelling. Loss, \$60. Insurance, \$1,000. Cause, use of match in clothes closet.

Tuesday, August 25, 3.15 P. M. Still alarm. No. 36 Prince Street. Owned by C. McArthur. Loss, trifling. Occupied by J. B. Corcoran as ash house. Cause, hot ashes in barrel.

Wednesday, August 26, 7.15 P. M. Box 346. False alarm.

Thursday, August 27, 9.01 P. M. Box 215. No. 179 Otis Street. Owned by Frank Coystian. Loss, \$88.64. Insurance, \$4,000. Occupied by M. Avickian as dwelling. No loss. Cause, dropping cigarette in cellar.

Friday, August 28, 7.18 P. M. Box 237. Unnecessary alarm for fire in Boston.

Friday, August 28, 8.44 P. M. Box 292. No. 930 Cambridge Street. Owned by Robert Fawcett. Loss, \$275. Insurance, \$3,000. Occupied by Robert Anern as stable. Loss, \$67.50. Insurance, \$500. Occupied by Harry Green. Loss, \$75. Insurance, \$600. Cause, smoking in shed.

Saturday, August 29, 8.43 A. M. Still alarm. No. 22 Elm Street. Owned by Simon Myerson as dwelling. Cause, chimney fire.

Saturday, August 29, 10.45 A. M. Still alarm. Ladder No. 2 responded to Somerville Box 23.

Sunday, August 30, 4.14 P. M. False alarm.

Sunday, August 30, 7.13 P. M. Still alarm. No. 5 Linehan Court. Owned by Linehan estate. Occupied by J. Demario as dwelling. Loss, trifling. Cause, oil lamp upset.

Monday, August 31, 7.06 P. M. Box 215. Near Cambridge Street. Owned by N. Y. C. R. R. Loss, \$25. Insurance, \$1,000. Occupied by Robert Fawcett as carload of hay. Loss, \$187. Insurance, \$262. Cause, set afire by boys.

SEPTEMBER.

Tuesday, September 1, 11.37 P. M. Box 19. False alarm.

Wednesday, September 2, 8.23 P. M. Box 381. No. 343 Western Avenue. Owned by Silvester Conti. Loss, trifling. Occupied by E. Donaldson as dwelling. Loss, trifling. Cause, curtain on gas light.

Wednesday, September 2, 8.58 P. M. Still alarm. No. 74 Spring Street. Owned by Jeremiah Crowley. Occupied by Wm. Hines as dwelling. No loss. Cause, oil stove took fire.

Friday, September 4, 4.45 P. M. Box 126. No. 99 Gore Street. Owned by J. Cresto. Occupied by J. Crinipi as dwelling. No loss. Cause, oil stove.

Saturday September 5, 5.50 A. M. Still alarm. No. 227 Cambridge Street. Owned by George Dearborn. Loss, \$15. Insurance, \$8,000. Occupied by Joseph De Palo as restaurant. Cause, gas stove ignited woodwork.

Saturday, September 5, 1.55 P. M. Still alarm. Landsdown Street. Dump fire.

Saturday, September 5, 2.00 P. M. Still alarm. Raymond Street. Dump fire.

Saturday, September 5, 7.08 P. M. Box 381. No. 282 Western Avenue. Owned by P. Saterale. Loss, \$376. Insurance, \$8,000. Occupied by S. Ponti as dwelling. Loss, \$302.65. Insurance, \$1,000. Cause, tobacco pipe in coat pocket in closet.

Sunday, September 6, 5.30 P. M. Still alarm. Raymond Street. Dump fire.

Tuesday, September 8, 3.32 P. M. Box 237. Binney Street. Cause, empty freight car set afire by boys.

Wednesday, September 9, 5.08 P. M. Box 237. Binney Street. Cause, empty freight car set afire by boys.

Wednesday, September 9, 6.56 P. M. Box 23. False alarm.

Thursday, September 10, 2.52 P. M. Box 247. No. 70 Hastings Street. Owned by C. H. Jennings. Loss, \$113. Insurance, \$1,000. Occupied by G. Crawford as dwelling. Loss, \$40. No insurance. Cause, dropping fire on bed.

Thursday, September 10, 11.40 P. M. Box 32. Albany Street. Owned by Ward Baking Co. as auto truck. Loss, \$100. Insurance, \$2,000. Cause, back fire.

Friday, September 11, 5.52 A. M. Box 511. Brattle square. Owned by City of Cambridge as public building. Loss, \$100. No insurance. Cause, dropping fire in sawdust spit box.

Saturday, September 12, 10.30 P. M. Still alarm. Concord Avenue. Dump fire.

Sunday, September 13, 12.50 P. M. Box 28. No. 42 Essex Street. Owned and occupied by A. Brousseau as dwelling. Loss, \$60. Insurance, \$2,000. Cause, sparks on roof.

Sunday, September 13, 1.29 P. M. Box 83. Concord Avenue. Dump fire.

Sunday, September 13, 7.45 P. M. Box 471. No. 102 Plympton Street. Rubbish in yard.

Sunday, September 13, 9.13 P. M. Box 74. False alarm.

Monday, September 14, 3.35 P. M. Still alarm. Franklin Street. Tree fire.

Tuesday, September 15, 8.30 A. M. Still alarm. Brattle Street. Owned by Cobb, Bates & Yerxa as automobile. Loss, trifling. Cause, back fire.

Tuesday, September 15, 2.47 A. M. Box 21. No. 99 Washington Street. Owned and occupied by Wm. Hunt as dwelling. Loss, \$161.00. Insurance, \$2,800. Cause, bottle of naphtha on shelf over stove exploded.

Tuesday, September 15, 9.12 A. M. Box 31. Lafayette Square. Owned and occupied by C. B. Moller as furniture store. Loss, trifling. Cause, spontaneous in oily rags.

Wednesday, September 16, 6.15 A. M. Still alarm. Osborn Street. Owned by Endicott estate. Occupied by M. Davis as mill. No loss. Cause, spontaneous in dust.

Wednesday, September 16, 8.45 A. M. Box 35. False alarm.

Wednesday, September 16, 10.25 A. M. Still alarm. No. 17 Highland Street. Owned and occupied by F. Eustis as dwelling. Chimney fire.

Wednesday, September 16, 6.45 P. M. Still alarm. Concord Avenue. Dump fire.

Thursday, September 17, 11.30 A. M. Still alarm. No. 19 Francis Avenue. Owned by A. Hyatt. Chimney fire.

Friday, September 18, 9.44 A. M. Box 231. No. 55 Hampshire Street. Owned by Mary A. Garvey. Loss, \$52. Insurance, \$4,000. Occupied by F. Gonstaff as dwelling. Loss, \$15. No insurance. Cause, oil stove fire.

Friday, September 18, 10.25 A. M. Still alarm. No. 57 Dana Street. Owned by George Morgan. No loss. Occupied by John Whitehead as dwelling. Chimney fire.

Friday, September 18, 11.56 A. M. Still alarm. No. 42 Crescent Street. Owned by Lester Langley. Occupied by several families. Chimney fire.

Friday, September 18, 6.17 P. M. Box 311. No. 92 Green Street. Owned by L. M. Hannum. Loss, \$10. Insurance, \$5,000. Occupied by Tossa Pappas as dwelling. Loss, \$10. No insurance. Cause, oil stove took fire.

Saturday, September 19, 12.55 P. M. Still alarm. No. 232 Bridge Street. Owned by N. S. Phelan. Occupied by Fred Grinnell as dwelling. Cause, chimney fire.

Saturday, September 19, 3.12 P. M. Box 192. No. 90 Fifth Street. Owned by Casey estate. Loss, \$15. Insurance, \$1,000. Cause, set afire outside by boys.

Saturday, September 19, 9.40 P. M. Still alarm. No. 41 Brookline Street. Cause, rubbish in yard.

Sunday, September 20, 12.27 A. M. Box 51. No. 2 Brattle Street. Owned by Dow & Stearns. Loss, \$100. Insurance, \$50,000. Occupied by Doritty Novelty Co. Loss, \$323. Insurance, \$500. Cause, electric iron on woodwork.

Sunday, September 20, 12.06 P. M. Box 37. No. 238 Putnam Avenue. Owned and occupied by Timothy Burns as dwelling. Loss, \$45. Insurance, \$2,000. Cause, girl set fire to curtain.

Monday, September 21, 5.01 P. M. Still alarm. No. 100 Hampshire Street. Owned by John McFarland as dwelling. Cause, smoke from stove.

Monday, September 21, 4.55 P. M. Still alarm. Carlton Street. Cause, rubbish fire.

Monday, September 21, 6.15 P. M. Still alarm. No. 35 Harvard Street. Owned by Mrs. Heslin as dwelling. Loss, trifling. Cause, children set fire to rubbish under steps.

Monday, September 21, 6.25 P. M. Still alarm. Massachusetts Avenue. Owned by Harvard College as dormitory. No fire. Smoke from stove.

Wednesday, September 23, 4.00 P. M. Still alarm. No. 40 Ash Street. Occupied by John Byrne as office. No loss. Cause, children set fire to rubbish under steps.

Wednesday, September 23, 7.32 P. M. Still alarm. Concord Avenue. Dump fire.

Wednesday, September 23, 7.59 P. M. Still alarm. No. 438 Massachusetts Avenue. Cause, rubbish barrel in yard.

Thursday, September 24, 12.15 P. M. Still alarm. Rindge Avenue Cemetery. Grass fire.

Friday, September 25, 11.47 A. M. Box 28. No. 229 Harvard Street. Cause, rubbish barrel in yard.

Saturday, September 26, 12.09 A. M. Box 25. No. 267 Main Street. Owned by J. S. Litter. No loss. Occupied by C. Roamstos as fruit store. Loss, trifling. Cause, careless dropping match on couch.

Saturday, September 26, 1.07 A. M. Box 311. No. 24 Pearl Street. Owned by Chadbury estate. Loss, \$25. Insurance, \$5,000. Occupied by Clara Flynn as dwelling. Cause, careless smoking on roof.

Saturday, September 26, 10.47 A. M. Box 19. No. 521 Cambridge Street. Owned by J. Mitzger estate. Loss, \$320. Insurance, \$2,800. Occupied by Tony Serino as dwelling. Loss, \$150. No insurance. Cause, boy set fire lighting lantern in bed room.

Saturday, September 26, 2.04 P. M. Still alarm. Larch Road. Bog fire.

Saturday, September 26, 4.06 P. M. Still alarm. Engine No. 5 responded to Somerville Box 26.

Saturday, September 26, 5.39 P. M. Still alarm. No. 113 Thorndike Street. Owned by J. P. Squires estate. Occupied by H. B. Nichols as dwelling. Loss, trifling. Cause, careless smoking set fire to table cover.

Saturday, September 26, 7.05 P. M. Box 27. No. 655 Main Street. Owned by Brooks estate. No loss. Occupied by several families. Cause, careless dropping fire in bottom of light shaft.

Sunday, September 27, 5.30 A. M. Still alarm. Francis Avenue. Owned and occupied by Andover Theological School. Loss, \$100. Insurance, \$165,000. Cause, tobacco pipe in coat in locker.

Sunday, September 27, 7.27 A. M. Box 391. No. 72 Pearl Street. Owned by Robbins estate. Loss, \$100. Insurance, \$6,000. Occupied by Harry Shomer as barber. No loss. Cause, rats in rubbish in cellar.

Sunday, September 27, 2.20 P. M. Box 75. Rindge Avenue. Grass fire.

Sunday, September 27, 4.33 P. M. Still alarm. Cambridge Cemetery. Grass fire.

Sunday, September 27, 5.40 P. M. Still alarm. River Road. Grass fire.

Sunday, September 27, 7.22 P. M. Box 72. 2046-2052 Massachusetts Avenue. Owned by Mary F. Mannix. Loss, \$1,100. Insurance, \$16,000. Occupied by H. W. Pearl as creamery. Loss, \$950. Insurance, \$2,000. Occupied by M. R. Hamlin as jeweler. Loss, \$209. Insurance, \$1,300. Occupied by Joseph Lane as provision store. Loss, \$20. Insurance, \$1,000. Occupied by B. F. Wright as dwelling. Loss, \$25. Insurance, \$1,000. Occupied by Henry Fitz as dwelling. Loss, \$305.50. Insurance, \$1,000. Occupied by M. Bloom as tailor. Loss, \$50. Insurance, \$700. Cause, rats and matches in cellar.

Sunday, September 27, 8.00 P. M. Box 721. Massachusetts Avenue and Day Street. Cause, lantern exploded on pile of paving blocks.

Monday, September 28, 6.10 P. M. Still alarm. Portland Street. Derrick pole set by boys.

Tuesday, September 29, 6.14 A. M. Box 291. No. 497 Windsor Street. Owned by A. C. Rubin as dwelling. Cause, chimney fire.

Tuesday, September 29, 10.59 A. M. Still alarm. Engine No. 4 responded to Somerville Box 427.

Wednesday, September 30, 7.05 P. M. Box 12. False alarm.

OCTOBER.

Friday, October 2, 5.52 A. M. Box 27. No. 1 School Street. Owned by Brooks estate as dwelling. Cause, smoke from stove.

Friday, October 2, 4.03 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 21.

Friday, October 2, 5.05 P. M. Still alarm. No. 8 Forrest Street. Owned by Robert Cameron. No loss. Occupied by P. T. Wilson as dwelling. No loss. Cause, grease on gas stove.

Friday, October 2, 8.16 P. M. Box 21. No. 146 Willow Street. Owned by Maurice Savinsky as dwelling. Loss, \$150. Insurance, \$2,000. Cause, careless use of candle under stairs.

Saturday, October 3, 11.00 A. M. Still alarm. No. 19 Hilliard Street. Owned and occupied by H. McPeak as dwelling. Cause, smoke from stove.

Saturday, October 3, 3.58 P. M. Still alarm. Engine No. 5 responded to Somerville Box 241.

Sunday, October 4, 2.00 P. M. Still alarm. Off Oxford Street. Grass fire.

Sunday, October 4, 3.05 P. M. Still alarm. No. 8 Fourth Street. Owned by Vincent Gizant as ash barrel. Cause, set afire by boys.

Sunday, October 4, 8.34 P. M. Box 271. Albany Street. Owned by Gale Lumber Co. Loss, \$100. Insurance, \$14,500. Occupied by Gale Lumber Co. Loss, \$400. Insurance, \$36,500. Cause, friction in machine.

Monday, October 5, 6.22 P. M. Box 311. No. 192 Green Street. Owned by Asa Lamson. No loss. Occupied by W. H. Green as dwelling. Loss, \$25. No insurance. Cause, careless dropping cigarette on couch.

Monday, October 5, 7.26 P. M. Still alarm. No. 146 Pearl Street. Owned by R. M. Pierce. Occupied by John J. Brogan as dwelling. Cause, chimney fire.

Tuesday, October 6, 9.00 P. M. Still alarm. Engine No. 5 responded to Somerville Box 26.

Tuesday, October 6, 5.52 P. M. Box 453. No. 21 Elmer Street. Owned by M. J. Moran. Loss, \$18. Insurance, \$2,000. Occupied by George Nixon as dwelling. Loss, \$25. No insurance. Cause, lighting fire with kerosene oil.

Wednesday, October 7, 3.36 P. M. Box 124. No. 118 Gore Street. Owned by James McGovern. Loss, \$708. Insurance, \$3,000. Occupied by Mary Nolan as dwelling. Loss, \$100. Insurance, \$2,000. Occupied by John O'Brien. Loss, \$25. Insurance, \$500. Cause, burning sulphur in attic to fumigate, set fire to furniture.

Wednesday, October 7, 3.46 P. M. Box 24. Accidental automatic alarm from Lever Bros.

Thursday, October 8, 10.55 A. M. Box 29. Fire in Somerville.

Thursday, October 8, 1.43 P. M. Box 89. Bay State Road. Grass fire.

Thursday, October 8, 6.20 P. M. Still alarm. Concord Avenue. Dump fire.

Friday, October 9, 10.44 A. M. Box 23. No. 55 Plymouth Street. Owned by James R. Murphy as dwelling. Cause, chimney fire.

Friday, October 9, 4.35 P. M. Still alarm. Concord Avenue. Grass fire.

Friday, October 9, 9.40 P. M. Box 7. No. 1892 Massachusetts Avenue. Owned by James Conley. Loss, \$165. Insurance, \$5,000. Occupied by J. Cannizzo as barber. Loss, \$139. Insurance, \$500. Cause, spontaneous in oily rags.

Saturday, October 10, 1.04 A. M. Box 16. No. 265 Third Street. Owned and occupied by Blake Co. as pump factory. Loss, \$600. Insurance, \$7,000. Cause, sparks from furnace stack on roof.

Saturday, October 10, 1.33 A. M. Box 253. General alarm. Kendall Square. Owned by Kendall estate. Loss, \$24,691. Insurance, \$14,500. Occupied by Conley Paper Co. Loss, \$4,000. Insurance, \$1,000. Occupied by J. H. Kendall as machine shop. Loss, \$6,000. Insurance, \$4,500. Occupied by Clark Co. as syrup refining. Loss, \$1,500. Insurance, \$1,000. Occupied by H. C. Monroe as bottling shop. Loss, \$1,200. Insurance, \$1,000. No. 180 Main Street. Owned by Roberts estate. Loss, \$1,391.30. Insurance, \$20,000. Occupied by G. B. Roberts as office. Loss, \$664.55. Insurance, \$33,000. No. 157 Main street. Owned by Bay State Fuel Co. Loss, \$600. Insurance, \$49,000. No. 131 Main Street. Owned by Cambridge Electric Light Co. Loss, \$229.54. Insurance, \$1,500. Occupied by M. Fieldberg as junk shop. Loss, \$75. No insurance. No. 137 Main Street. Owned by E. R. Luke as hay and grain. Loss, \$1,000. Insurance, \$16,500. Cause, unknown. Originated in Conley Co. paper stock.

Saturday, October 10, 11.30 A. M. Still alarm. No. 231 Hampshire Street. Owned by John McFarland as dwelling. Loss, \$50. Insurance, \$4,500. Cause, sparks on roof.

Saturday, October 10, 12.17 P. M. Still alarm. No. 18 Sherman Street. Grass fire.

Saturday, October 10, 2.04 P. M. Box 783. Whittemore Avenue. Grass fire.

Sunday, October 11, 12.02 P. M. Still alarm. Mt. Auburn Street. Grass fire.

Sunday, October 11, 1.40 P. M. Still alarm. Harvey Street. Grass fire.

Sunday, October 11, 5.50 P. M. Box 346. Valentine and Pearl Streets. Rubbish fire.

Sunday, October 11, 11.38 P. M. Box 294. Windsor Street. Dead tree fire.

Monday, October 12, 12.15 P. M. Box 89. Bay State Road. Bog fire.

Monday, October 12, 12.05 P. M. Still alarm. Concord Avenue. Bog fire.

Monday, October 12, 6.28 P. M. Still alarm. No. 1056 Cambridge Street. Owned by J. Szoznha. Occupied by M. Schuman as dwelling. Loss, trifling. Cause, child upset candle on table cover.

Monday, October 12, 8.02 P. M. Box 291. No. 507 Windsor Street. Owned and occupied by J. Grosman as dwelling. Loss, \$150. Insurance, \$3,000. Cause, incendiary.

Monday, October 12, 8.28 P. M. Box 7. No. 1900 Massachusetts Avenue. Owned by W. G. McLeod as ash barrel.

Monday, October 12, 8.30 P. M. Box 14. No. 91 Third Street. Owned and occupied by B. Young as dwelling. Loss, \$10. Insurance, \$4,000. Cause, curtain on lighted lamp.

Monday, October 12, 9.42 P. M. Still alarm. No. 96 Inman Street. Rubbish in yard.

Tuesday, October 13, 5.45 P. M. Box 347. False alarm.

Wednesday, October 14, 1.26 P. M. Still alarm. Garden Street. Burning leaves.

Wednesday, October 14, 6.55 P. M. Still alarm. Warland Street. Owned by City of Cambridge as voting booth. Loss, trifling. Cause, set afire by boys.

Thursday, October 15, 1.30 P. M. Box 381. No. 258 Western Avenue. Owned by Mary Sevrino as dwelling. Loss, \$200. Insurance, \$3,000. Cause, boys set fire under piazza.

Friday, October 16, 11.11 A. M. Still alarm. No. 2 Douglass Street. Occupied by H. Buchanan as dwelling. Cause, smoke from stove.

Friday, October 16, 11.24 A. M. Still alarm. No. 48 Austin Street. Occupied by A. McLean as dwelling. Loss, \$15. No insurance. Cause, smoking on couch.

Saturday, October 17, 4.44 A. M. Box 291. Windsor and Palermo Streets. Electric pole.

Monday, October 19, 1.58 P. M. Box 291. No. 307 Webster Avenue. Owned by Philip Rosenberg. Loss, \$50. Insurance, \$5,000. Occupied by Samuel Rosenberg as dwelling. Loss, \$100. Insurance, \$500. Cause, child set fire in clothes closet.

Monday, October 19, 5.35 P. M. Box 36. False alarm.

Monday, October 19, 7.37 P. M. Box 36. False alarm.

Thursday, October 22, 7.43 A. M. Still alarm. No. 18 Fairmont Street. Owned by Philip Doherty as dwelling. Cause, chimney fire.

Thursday, October 22, 11.09 A. M. Box 23. No. 40 Bristol Street. Owned and occupied by Harry Goredetsky as dwelling. Loss, \$205. Insurance, \$4,200. Cause, gas stove ignited woodwork.

Thursday, October 22, 5.13 P. M. Box 327. False alarm.

Thursday, October 22, 7.40 P. M. Box 192. No. 109 Fifth Street. Owned by L. Kotlewski. Loss, \$25. Insurance, \$1,500. Occupied by M. O'Connor as dwelling. Loss, \$50. Insurance, \$500. Cause, careless use of lamp in cellar.

Friday, October 23, 9.00 A. M. Still alarm. Coolidge Avenue. Owned and occupied by City of Cambridge as tool house. Loss, \$1,000. No insurance. Cause, incendiary.

Saturday, October 24, 6.49 A. M. Still alarm. No. 46 Holworthy Street. Owned by James Organ. Loss, \$25. Insurance, \$1,500. Occupied by Fred Robertson as dwelling. Loss, \$25. No insurance. Cause, dropping fire in bath room.

Saturday, October 24, 9.06 A. M. Box 284. No. 619 Massachusetts Avenue. Owned by J. H. Corcoran. Loss, \$424. Insurance, \$7,500. Occupied by J. Mack as fruit store. Loss, \$34. Insurance, \$500. Occupied by G. F. Dickson as gas fitter. Loss, \$50. Insurance, \$1,200. Cause, dropping fire in rubbish in doorway.

Saturday, October 24, 4.33 P. M. Box 294. No. 173 Webster Avenue. Owned by Norton estate. No loss. Occupied by Brodsky & Rubin as barrel storage. Cause, boys set fire under building.

Saturday, October 24, 8.50 P. M. Box 18. No. 238 Charles Street. Owned and occupied by Michael Egan as dwelling. Loss, \$957. Insurance, \$2,700. Cause, unknown.

Sunday, October 25, 12.15 P. M. Still alarm. No. 22 Prospect Street. Rescue cat from tree.

Monday, October 26, 8.17 A. M. Still alarm. No. 267 Brookline Street. Owned by S. Sagerman. Loss, \$156. Insurance, \$5,000. Occupied by Wm. Harrower as dwelling. Loss, \$39.50. Insurance, \$500. Cause, gas stove ignited woodwork.

Monday, October 26, 5.55 P. M. Box 94. Ericsson Street. Grass fire.

Tuesday, October 27, 1.04 P. M. Box 237. Binney Street. Owned by B. & A. R. R. as freight car. Loss, \$300. Insurance, \$300. Cause, set afire by boys.

Tuesday, October 27, 5.54 P. M. Box 95. Fire in Belmont.

Wednesday, October 28, 11.34 A. M. Box 27. No. 679 Main Street. Owned by Brooks estate. Loss, \$25. Insurance, \$6,000. Occupied by A. Busignoll as dwelling. Loss, \$10. No insurance. Cause, sparks from matches on curtain.

Wednesday, October 28, 1.15 P. M. Still alarm. No. 152 Main Street. Rubbish.

Wednesday, October 28, 2.20 P. M. Still alarm. Lawn Street. Grass fire.

Wednesday, October 28, 5.42 P. M. Box 231. False alarm.

Thursday, October 29, 1.00 A. M. Still alarm. Mt. Auburn Street. Rubbish barrel in street.

Thursday, October 29, 10.51 A. M. Still alarm. No. 665 Massachusetts Avenue. Owned by Joy estate. Loss, trifling. Occupied by W. E. Merrill as dry goods. No loss. Cause, careless dropping fire in cellar window.

Thursday, October 29, 9.49 A. M. Box 234. No. 30 Market Street. Owned by E. Nickolarwsky. Loss, \$75. Insurance, \$9,000. Occupied by A. Ludwig as dwelling. Loss, \$73. Insurance, \$500. Cause, use of match in closet.

Thursday, October 29, 4.09 P. M. Box 237. Ninth Street. Owned by B. & A. R. R. as carload of hay. Loss, \$275. Insurance, \$275. Cause, set afire by boys.

Thursday, October 29, 8.55 P. M. Still alarm. No. 255 River Street. Owned by M. A. Chandler. Loss, \$52.25. Insurance, \$2,000. Occupied by L. C. Warren as dwelling. Loss, \$76. Insurance, \$400. Cause, lamp exploded.

Friday, October 30, 2.47 P. M. Box 21. No. 42 Jefferson St. Owned by Annie Scott as dwelling. No loss. Cause, plumber's torch set fire to oakum.

Friday, October 30, 8.49 P. M. Box 23. False alarm.

Saturday, October 31, 5.26 P. M. Box 14. Spring and Third Streets. Cause, boys put fire in catch basin.

Saturday, October 31, 8.20 P. M. Box 237. No. 181 Portland Street. Owned by E. T. Sennott as unoccupied dwelling. Cause, boys set fire in basement.

NOVEMBER.

Sunday, November 1, 11.50 A. M. Box 23. No. 38 Plymouth Street. Rubbish in yard.

Sunday, November 1, 7.19 P. M. Box 316. No. 436 Massachusetts Avenue. Rubbish in barrels.

Sunday, November 1, 9.07 P. M. Box 347. No. 82 Auburn Street. Owned by Catherine Green. Loss, \$25. Insurance, \$2,200. Occupied by Daniel Shine as dwelling. Loss, \$35. No insurance. Cause, oil lamp exploded.

Monday, November 2, 4.56 P. M. Box 21. No. 149 Willow Street. Owned by J. Andelman. Loss, \$71. Insurance, \$1,100. Occupied by Mary Holser-vich as dwelling. Loss, \$100. Insurance, \$500. Cause, careless use of match in clothes closet.

Wednesday, November 4, 12.05 P. M. Still alarm. Raymond Street. Dump fire.

Wednesday, November 4, 2.40 P. M. Still alarm. No. 9 Remington Street. Owned and occupied by E. M. Blake as dwelling. Loss, \$20. Insurance, \$3,000. Cause, sparks on roof.

Wednesday, November 4, 4.00 P. M. Still alarm. Charles River Road. Grass fire.

Wednesday, November 4, 5.35 P. M. Still alarm. Putnam Avenue. Rubbish rear of car barn.

Thursday, November 5, 2.07 P. M. Box 272. No. 20 Albany Street. Owned by Whittemore Bros. as shed. Loss, \$25. No insurance. Cause, set afire by boys.

Thursday, November 5, 4.02 P. M. Still alarm. No. 97 Mt. Auburn Street. Owned by Reed estate. Loss, \$25. Insurance, \$5,250. Occupied by Phoenix Club. No loss. Cause, sparks on roof.

Saturday, November 7, 10.30 A. M. Still alarm. Putnam Avenue and River Street. Electric light pole.

Saturday, November 7, 7.30 P. M. Box 86. No. 105 Fresh Pond Park. Owned by T. F. Grace. Loss, \$169.50. Insurance, \$500. Occupied by T. F. Grace as garage. Loss, \$750. Insurance, \$1,800. Cause, spontaneous in oily waste.

Sunday, November 8, 6.08 P. M. Box 21. No. 38 Hunting Street. Owned by Jennie Rogers as dwelling. Cause, chimney fire.

Sunday, November 8, 7.50 P. M. Still alarm. No. 15 Berkeley Street. Rubbish in yard.

Sunday, November 8, 7.59 P. M. Box 18. No. 308 Vine Street. Owned by Frank Oliver as swill barrel. Cause, set afire by boys.

Sunday, November 8, 9.59 P. M. Still alarm. Erie and Brookline Streets. Playhouse in vacant lot. Cause, children playing with matches.

Monday, November 9, 7.40 A. M. Still alarm. No. 17 Marcella Street. Owned by Max Yozel. Loss, \$35. Insurance, \$4,000. Occupied by Katherine Watson as dwelling. Loss, \$100. No insurance. Cause, use of candle in dark clothes closet.

Monday, November 9, 4.26 P. M. Box 341. No. 635 Putnam Avenue. Owned by Edmond Reardon as dwelling. Loss, \$25. Insurance, \$4,500. Cause, set afire on outside by boys.

Monday, November 9, 7.14 P. M. Box 19. No. 5 Eighth Street. Owned by L. Hartz. Occupied by J. Devine as dwelling. Loss, \$15. Insurance, \$500. Cause, dropping fire on couch.

Tuesday, November 10, 9.10 A. M. Accidental automatic.

Tuesday, November 10, 5.00 P. M. Box 273. Massachusetts Avenue and Vassar Street. Owned by W. A. Brooks as automobile. Loss, \$775. Insurance, \$2,500. Caused by collision.

Tuesday, November 10, 7.23 P. M. Still alarm. No. 37 Union Street. Owned by Lois Schwartzman as dwelling. Loss, \$10. Insurance, \$7,000. Cause, overheated stovepipe.

Tuesday, November 10, 7.47 P. M. Still alarm. Concord Avenue. Dump fire.

Wednesday, November 11, 8.05 A. M. Box 28. No. 12 Worcester Street. Owned by H. V. Wilder as dwelling. Cause, chimney fire.

Wednesday, November 11, 11.00 A. M. Still alarm. No. 15 Marcella Street. Owned by Max Yogel. Loss, trifling. Occupied by A. Pemental as dwelling. Cause, paper in stovepipe hole.

Wednesday, November 11, 4.15 P. M. Still alarm. No. 72 Sidney Street. Owned by C. E. Pierce. Occupied by George Cosmos as stable. Cause, man built fire under sick horse to warm him.

Wednesday, November 11, 7.18 P. M. Box 684. Richdale Avenue. Owned by City of Cambridge as incinerator. Loss, \$25. No insurance. Cause, spark from locomotive.

Friday, November 13, 5.13 P. M. Box 295. Hampshire Street. Owned by H. S. Angus as pile of timber. Cause, set afire by boys.

Friday, November 13, 7.07 P. M. Box 29. No. 339 Norfolk Street. Owned by J. Callinan as ash barrel. Cause, hot ashes.

Friday, November 13, 8.59 P. M. Box 783. No. 45 Bismark Street. Owned by Henderson Bros. as dwelling. Cause, chimney fire.

Sunday, November 15, 11.15 A. M. Box 32. False alarm.

Sunday, November 15, 9.09 P. M. Still alarm. No. 28 Hubbard Avenue. Owned by C. W. Whalen. No loss. Occupied by C. M. Thompson as dwelling. Cause, dropping fire in rubbish in cellar.

Sunday, November 15, 10.43 P. M. Still alarm. No. 128 Bridge Street. Owned by Boston Elevated Railway Company as dwelling. No loss. Cause, rubbish in cellar.

Monday, November 16, 9.54 P. M. Box 75. False alarm.

Tuesday, November 17, 2.45 P. M. Still alarm. No. 4 Sherman Street. Owned by John O'Driscoll. Loss, \$25. Insurance, \$5,000. Occupied by John Ready as dwelling. Loss, \$65. No insurance. Cause, children with matches in attic chamber.

Tuesday, November 17, 3.47 P. M. Still alarm. No. 27 Sherman Street. Owned by James Brogan. Occupied by A. Bennoit as dwelling. Smoke from stove.

Tuesday, November 17, 4.43 P. M. Still alarm. No. 19 Buckingham Street. Owned by I. Bowditch as dwelling. Cause, chimney fire.

Wednesday, November 18, 8.48 P. M. Box 381. No. 52½ Howard Street. Owned by T. E. Cunningham. Loss, \$370. Insurance, \$2,500. Occupied by B. Carter as dwelling. Loss, \$176. Insurance, \$1,000. Cause, sparks from stove.

Friday, November 20, 1.44 A. M. Box 295. No. 265 Columbia Street. Owned by Elma Bright as unoccupied stable. Loss, \$10. No insurance. Cause, tramps smoking in loft.

Friday, November 20, 8.10 A. M. Box 38. No. 140 River Street. Owned by 20 Associates. No loss. Occupied by R. Abromson as furniture store. Loss, trifling. Cause, goods too near stove.

Saturday, November 21, 4.03 A. M. Box 49. No. 98 Trowbridge Street. Owned by E. Walling. Loss, \$650. Insurance, \$5,000. Occupied by W. S. Whiting as dwelling. Loss, \$600. Insurance, \$3,000. Cause, fire fell from open fireplace to floor.

Saturday, November 21, 11.15 A. M. Still alarm. No. 262 Bridge Street. Owned and occupied by Iron Construction Co. No loss. Cause, hot rivet on paint.

Saturday, November 21, 1.09 P. M. Still alarm. No. 90 Hancock Street. Owned by P. W. True. Loss, \$160. Insurance, \$9,000. Occupied by E. L. Chapman as dwelling. No loss. Cause, careless dropping fire in paper in cellar.

Saturday, November 21, 2.27 P. M. Box 281. No. 15 Boardman Street. Owned by M. E. Jessop. Loss, \$50. Insurance, \$3,000. Occupied by Lillian Barry as dwelling. Loss, \$20. No insurance. Cause, use of match in dark clothes closet.

Saturday, November 21, 4.29 P. M. Still alarm. Sidney Street. Dump fire.

Tuesday, November 24, 4.03 P. M. Box 453. No. 17 Flagg Street. Owned by Mary McCarthy. Loss, \$177. Insurance, \$2,500. Occupied by John Cooney as dwelling. Loss, \$20.45. Insurance, \$500. Cause, rats and matches.

Tuesday, November 24, 7.04 P. M. Still alarm. No. 13 Yerxa Road. Owned by M. Maclean. Loss, \$30. Insurance, \$2,000. Occupied by E. O'Hara as dwelling. No loss. Cause, mice and matches in partition.

Wednesday, November 25, 1.34 P. M. Box 63. No. 1595 Massachusetts Avenue. Owned by William G. Macleod. Loss, \$125. Insurance, \$5,000. Occupied by C. H. Parker as dwelling. Cause, sparks on roof.

Thursday, November 26, 1.10 P. M. Still alarm. Wellington Street. Grass fire.

Friday, November 27, 10.10 A. M. Still alarm. No. 194 Bridge Street. Owned by Marion Travers. Occupied by Jessie Perry as dwelling. No loss. Cause, child set fire to rubbish in cellar.

Friday, November 27, 11.45 A. M. Still alarm. Charles River Road. Grass fire.

Saturday, November 28, 2.50 P. M. Box 79. No. 12 Cameron Avenue. Owned and occupied by Henry C. Harris as dwelling. Loss, trifling. Cause, dropping match in paper in cellar.

Saturday, November 28, 4.34 P. M. Still alarm. Montague Street. Boys set fire to rubbish.

Saturday, November 28, 4.51 P. M. Still alarm. Corner Main and Osborn Streets. Owned by Allen and Endicott. Occupied by W. H. Zerkel as cabinet maker. No loss. Cause, fire thrown through broken window in cellar.

Saturday, November 28, 7.20 P. M. Still alarm. No. 365 Main Street. Owned by Boston Elevated Railway Company. Occupied by S. Linsburg as factory. No loss. Cause, spark from forge.

Sunday, November 29, 5.30 P. M. Box 285. False alarm.

Sunday, November 29, 6.04 P. M. Box 294. False alarm.

DECEMBER.

Wednesday, December 2, 8.19 P. M. Box 391. No. 74 Pearl Street. Owned by Robbins estate. Loss, \$25. Insurance, \$6,000. Occupied by B. Dinken as tailor. Loss, \$58. Insurance, \$500. Cause, careless dropping match on cloth.

Friday, December 4, 7.39 A. M. Box 682. No. 185 Walden Street. Owned and occupied by Thomas Walsh as garage. Loss, \$85. No insurance. Cause, back fire in automobile. Owned by Harry Barnard as dwelling. Loss, \$110. Insurance, \$2,500. Cause, exposed to garage fire.

Saturday, December 5, 6.15 P. M. Still alarm. No. 80 Brattle Street. Owned and occupied by J. Hayward as dwelling. Cause, chimney fire.

Sunday, December 6, 5.18 P. M. Box 48. No. 1355 Cambridge Street. Owned by Fowle & Spear. Loss, \$175. Insurance, \$12,000. Occupied by Wm. J. Doyle as dwelling. Loss, \$50. Insurance, \$1,000. Cause, child with matches in clothes closet.

Monday, December 7, 7.24 A. M. Still alarm. Fresh Pond Park. Grass fire.

Monday, December 7, 1.20 P. M. Box 196. Fire in Somerville.

Monday, December 7, 2.07 P. M. Box 237. No. 201 Portland Street. Owned by Thomas Rush. No loss. Occupied by Robert Gaddis as dwelling. Loss, \$10. Insurance, \$500. Cause, dropping fire on clothing in entry.

Monday, December 7, 4.55 P. M. Still alarm. Albany Street. Dump fire.

Monday, December 7, 5.30 P. M. Still alarm. No. 18 Bismark Street. Owned by Henderson Bros. Occupied by P. Carpenter as dwelling. Chimney fire.

Monday, December 7, 6.28 P. M. Still alarm. No. 7 Westerly Avenue. Owned by Isaac Bynan. Occupied by R. Thibolt as dwelling. Chimney fire.

Monday, December 7, 9.52 P. M. Box 27. No. 30 School Street. Owned by Brooks estate. Occupied by N. Waterman as dwelling. Careless dropping fire in rubbish in bottom of air shaft.

Thursday, December 10, 1.35 A. M. Still alarm. No. 55 Fayerweather Street. Owned and occupied by A. C. Potter as dwelling. Cause, chimney fire.

Thursday, December 10, 8.30 P. M. Still alarm. No. 1316 Cambridge Street. Owned by Fowle & Spear. No loss. Occupied by E. Costro as barber shop. No loss. Cause, gas light ignited paper in cellar.

Thursday, December 10, 11.59 P. M. Box 361. No. 17 Fairmont Street. Owned by A. P. Morse. Loss, trifling. Occupied by C. A. Casey as dwelling. Loss, trifling. Cause, tobacco pipe in coat pocket.

Friday, December 11, 4.54 P. M. Still alarm. Spring and Fourth Streets. Dead tree.

Friday, December 11, 9.14 P. M. Box 681. No. 34 Hubbard Avenue. Owned by George R. Blinor. Loss, \$20. Insurance, \$2,000. Occupied by H. Garrison as dwelling. Loss, \$35. No insurance. Cause, oil heater took fire.

Saturday, December 12, 2.40 P. M. Still alarm. Engines No. 5 responded to Somerville Box 241.

Saturday, December 12, 5.25 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 23.

Sunday, December 13, 6.43 A. M. Still alarm. No. 1725 Massachusetts Avenue. Owned by Otis S. Brown. Loss, \$295. Insurance, \$8,000. Occupied by Otis S. Brown as dwelling. Loss, \$25. Insurance, \$1,000. Cause, mice and matches in partition.

Sunday, December 13, 7.01 P. M. Box 192. No. 126 Thorndike Street. Owned by John Ahearn. Loss, \$10. Insurance, \$800. Occupied by F. A. McGrath as dwelling. Loss, \$10. No insurance. Cause, child set fire to clothes.

Monday, December 14, 7.28 P. M. Box 134. No. 93 Second Street. Owned by M. Andrew as dwelling. Cause, chimney fire.

Monday, December 14, 8.35 P. M. Still alarm. No. 36 Essex Street. Owned by O. Smith as dwelling. Cause, chimney fire.

Tuesday, December 15, 2.01 P. M. Box 21. No. 1 Palermo Street. Owned by Max Goldberg. Loss, \$50. Insurance, \$3,600. Occupied by Max Goldberg as dwelling. Loss, \$200. Insurance, \$1,500. Cause, careless use of match in clothes closet.

Tuesday, December 15, 6.47 P. M. Box 512. No. 44 Church Street. Owned and occupied by Kalumet Club as clubhouse. Loss, trifling. Cause, rats in ceiling.

Wednesday, December 16, 9.34 A. M. Still alarm. No. 19 Chauncey Street. Owned and occupied by E. Emerton as dwelling. Cause, smoke from chimney.

Wednesday, December 16, 10.10 A. M. Box 13. No. 113 Bridge Street. Owned and occupied by G. Briggs as lunch car. Loss, trifling. Cause, fire in coat pocket.

Wednesday, December 16, 5.17 P. M. Box 62. No. 27 Hammond Street. Owned by Wendell Realty Co. Cause, chimney fire.

Wednesday, December 16, 5.55 P. M. Still alarm. No. 485 Massachusetts Avenue. Owned by Harvard College. Loss, trifling. Occupied by George Preble as furniture store. No loss. Cause, floor timber built in chimney.

Thursday, December 17, 2.59 A. M. Box 7. No. 1912 Massachusetts Avenue. Owned by Charles Baker as shoe store. Cause, smoke from chimney.

Thursday, December 17, 4.20 A. M. Box 39. No. 634 Massachusetts Avenue. Owned by Holmes estate. Loss, \$2,845. Insurance, \$20,000. Occupied by Cambridge Board of Trade. Loss, \$75. Insurance, \$1,000. Occupied by Hersum Co. as office. Loss, \$25. Insurance, \$150. Occupied by G. Dunlavy as barber shop. Loss, \$20. Insurance, \$1,000. Cause, rats in ceiling.

Thursday, December 17, 8.04 A. M. Box 233. No. 186 Windsor Street. Owned by Kemp estate. No loss. Occupied by F. H. Armstrong as dwelling. No loss. Cause, broom took fire sweeping hot coals.

Thursday, December 17, 10.13 A. M. Still alarm. No. 8 Highland Street. Owned by Wm. Pickering. Occupied by E. B. Hill as dwelling. Cause, chimney fire.

Thursday, December 17, 1.04 P. M. Box 237. No. 17 Bristol Street. Owned by Blood, Agt. Occupied by Manuel Rose as dwelling. Loss, \$15. No insurance. Cause, child set fire to bed.

Thursday, December 17, 7.40 P. M. Box 723. No. 2326 Massachusetts Avenue. Owned by H. P. Emmons as dwelling. Cause, reflection of fire in fireplace.

Friday, December 18, 8.21 A. M. Still alarm. No. 20 Quincy Street. Owned by Colonial Club as club house. Loss, \$285. Insurance, \$24,000. Cause, defect in chimney.

Friday, December 18, 11.25 A. M. Still alarm. No. 187 Hampshire Street. Owned and occupied by Thomas Mullane as dwelling. Loss, \$30. Insurance, \$1,800. Cause, bed against stove.

Friday, December 18, 1.02 P. M. Box 624. No. 4 Wright Street. Owned and occupied by J. Malone as dwelling. Loss, \$107. Insurance, \$5,000. Cause, tobacco pipe in coat pocket.

Friday, December 18, 1.40 P. M. Box 63. Massachusetts Avenue and Jarvis Street. Owned by J. McTighe as automobile. Loss, \$20. No insurance.

Friday, December 18, 6.56 P. M. Box 311. No. 129 Green Street. Owned by Kennedy estate. Loss, \$1,400. Insurance, \$6,500. Occupied by H. W. Berry as furniture storage. Loss, \$1,500. Insurance, \$16,000. Cause, careless smoking.

Saturday, December 19, 12.25 A. M. Still alarm. Charles River Road. Owned by T. C. McCue as automobile. Loss, \$1,600. Insurance, \$1,600. Cause, back fire.

Sunday, December 20, 9.49 A. M. Box 723. No. 5 Locke Street. Owned by C. H. Montague as dwelling. Cause, chimney fire.

Monday, December 21, 8.43 A. M. Box 693. No. 165 Upland Road. Owned by Caroline Stearns. Loss, \$40.26. Insurance, \$7,000. Occupied by R. Thompson as dwelling. Loss, \$75. Insurance, \$2,000. Cause, careless dropping match on chair.

Monday, December 21, 10.42 A. M. Box 79. No. 35 Cedar Street. Owned by John F. O'Brien. Loss, \$10. Insurance, \$5,000. Occupied by Frank Correau as dwelling. Loss, \$40. No insurance. Cause, child set fire to bed.

Wednesday, December 23, 6.06 P. M. Box 31. No. 282 Massachusetts Avenue. Owned by William E. Barrow. Loss, \$867. Insurance, \$50,000. Occupied by Marion Brown as dwelling. Loss, \$300. Insurance, \$1,000. Occupied by J. H. Fitzgerald. Loss, \$208. Insurance, \$1,000. Occupied by M. W. Thayer. Loss, \$92.40. Insurance, \$500. Cause, rats and matches in partition.

Wednesday, December 23, 7.20 P. M. Still alarm. No. 2 Divinity Place. Owned by Harvard College as dwelling. Cause, chimney fire.

Thursday, December 24, 6.14 A. M. Box 61. No. 5 Emmons Place. Owned by Gerald Whalen. Loss, \$75. Insurance, \$2,000. Occupied by John O'Mally as dwelling. Loss, \$140. No insurance. Cause, use of fire in closet.

Thursday, December 24, 12.18 P. M. Still alarm. No. 30 Cogswell Avenue. Occupied by Fred Johnson as dwelling. Cause, smoke from stove.

Thursday, December 24, 6.00 P. M. Still alarm. No. 10 Revere Street. Owned and occupied by L. Dempsey as dwelling. Loss, \$34.75. Insurance, \$1,200. Cause, clothing against gas light.

Thursday, December 24, 5.16 P. M. Box 51. No. 17 Boylston Street. Owned by H. K. Abbott as awning. Loss, \$12. Insurance, \$15. Cause, cigarette on awning.

Thursday, December 24, 7.30 P. M. Owned by B. & M. R. R. as mail car. Loss, \$4,000. Insurance, \$4,000. Extinguished by Boston Fire Department.

Friday, December 25, 8.52 A. M. Box 783. No. 2560 Massachusetts Avenue. Owned by Henderson Bros. as dwelling. Cause, chimney fire.

Friday, December 25, 4.51 P. M. Still alarm. No. 8 Quincy Street. Owned by Harvard College as dwelling. Cause, chimney fire.

Friday, December 25, 8.21 P. M. Box 461. No. 11 Putnam Avenue. Owned and occupied by John Haley as dwelling. Loss, \$317. Insurance, \$4,000. Cause, use of fire in clothes closet.

Saturday, December 26, 9.51 A. M. Box 215. No. 718 Cambridge Street. Owned by B. Leventhal. Loss, trifling. Occupied by Sarkis Malkasin as dwelling. Cause, thawing water pipes.

Saturday, December 26, 11.17 A. M. Still alarm. No. 380 Mt. Auburn Street. Owned by Hayes estate. No loss. Occupied by W. H. Read as dwelling. Chimney fire.

Saturday, December 26, 2.14 P. M. Box 29. No. 107 Tremont Street. Owned by Mary McKeever. Loss, \$318. Insurance, \$1,500. Cause, thawing water pipes.

Saturday, December 26, 4.36 P. M. Still alarm. No. 37 Lancaster Street. Owned and occupied by H. D. Yerxa as dwelling. Cause, chimney fire.

Saturday, December 26, 6.21 P. M. Box 53. No. 10 Mason Street. Owned by Lillian Seavey as dwelling. Cause, chimney fire.

Sunday, December 27, 4.30 P. M. Still alarm. No. 692 Massachusetts Avenue. Owned by G. R. Southwick. Occupied by Tayan Bros. as lunch room. Cause, smoke from stove.

Sunday, December 27, 10.36 P. M. Box 782. Tannery Street. Owned by City of Cambridge as City Home. Loss, \$5,700. No insurance. Cause, unknown. Third alarm 10.47 P. M.

Monday, December 28, 12.14 P. M. Box 621. No. 82 Hammond Street. Owned by Old Folks Society. Occupied by C. F. Adams. No loss. Cause, hot ashes in box in cellar.

Monday, December 28, 8.15 P. M. Still alarm. No. 94 Avon Hill Street. Owned by Herbert Weed. No loss. Occupied by F. W. Turner as dwelling. Chimney fire.

Monday, December 28, 8.20 P. M. Still alarm. No. 5 Hubbard Park. Owned and occupied by M. Emery as dwelling. Cause, chimney fire.

Tuesday, December 29, 1.31 P. M. Box 432. False alarm.

Wednesday, December 30, 4.30 P. M. Still alarm. No. 94 Fresh Pond Park. Owned by Milton Evers. Loss, \$60. Insurance, \$4,500. Occupied by Milton Evers as dwelling. Loss, \$100. Insurance, \$2,000. Cause, Christmas tree took fire.

Wednesday, December 30, 9.41 P. M. Box 247. No. 37 Burleigh Street. Occupied by A. Benjamin as dwelling. Cause, pot of beans burning in oven.

JANUARY, 1915.

Friday, January 1, 6.30 P. M. Still alarm. No. 413 Portland Street. Owned and occupied by Alexander Ciampi as dwelling. Loss, \$35. Insurance, \$7,300. Cause, child set fire to bed.

Saturday, January 2, 4.41 P. M. Box 215. Near Portland Street. Owned by B. & A. R. R. as freight car. Loss, \$150. Insurance, \$150. Cause, set afire by boys.

Sunday, January 3, 9.56 P. M. Box 27. No. 7 Harrison Street. Owned by Brooks estate. Loss, \$100. Insurance, \$5,000. Occupied by A. Dombrowsky as dwelling. Loss, \$50. No insurance. Cause, throwing match on Christmas tree.

Monday, January 4, 4.34 P. M. Box 625. No. 64 Frost Street. Owned and occupied by G. M. Masters as dwelling. Loss, \$75. Insurance, \$5,500. Cause, careless use of candle under couch.

Monday, January 4, 4.39 P. M. Box 21. No. 19 Harding Street. Owned by Jeremiah Allen. Loss, \$10. Insurance, \$700. Occupied by Nora Cronan as dwelling. Loss, \$5. No insurance. Cause, child set fire to curtain.

Tuesday, January 5, 2.39 A. M. Box 47. No. 39 Holyoke Street. Owned by Harvard Associates. Loss, \$2,500. Insurance, \$6,000. Occupied by Western Club. Loss, \$800. Insurance, \$3,500. Cause, defect in chimney.

Tuesday, January 5, 12.07 P. M. Still alarm. No. 26 Winter Street. Owned by Manuel Grace as dwelling. Cause, chimney fire.

Tuesday, January 5, 10.56 P. M. Box 253. Charles River Road. Dump fire.

Wednesday, January 6, 3.54 P. M. Still alarm. Engine No. 5 responded to Somerville Box 26.

Wednesday, January 6, 8.51 P. M. Still alarm. No. 3 St. Clair Place. Owned by Whittemore estate. Occupied by Bernard Fleet as dwelling. Loss, \$10. No insurance. Cause, smoking in bed.

Thursday, January 7, 6.43 A. M. Box 212. No. 51 Porter Street. Owned by J. H. Purcell. Loss, \$18. Insurance, \$1,000. Occupied by G. F. Malaney as dwelling. Loss, \$85. Insurance, \$500. Cause, use of candle in closet.

Friday, January 8, 10.27 A. M. Still alarm. No. 118 Brattle Street. Owned by Giles Taintor as dwelling. Cause, chimney fire.

Friday, January 8, 5.47 P. M. Box 215. No. 21 Marion Street. Owned by Michael O'Leary as dwelling. Cause, chimney fire.

Friday, January 8, 6.18 P. M. Box 721. No. 2225 Massachusetts Avenue. Owned by Henderson Bros. Loss, \$2,206. Insurance, \$12,000. Occupied by Willowcraft Co. as willow furniture factory. Loss, \$1,200. Insurance, \$7,650. Cause, careless dropping match in willow stock.

Friday, January 8, 9.29 P. M. Box 124. False alarm.

Saturday, January 9, 7.12 P. M. Still alarm. No. 582 Franklin Street. Owned and occupied by J. H. Durnan as dwelling. Chimney fire.

Sunday, January 10, 1.22 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 21.

Sunday, January 10, 2.57 P. M. Box 121. Water Street. Owned by B. & M. R. R. as gate house. Loss, \$75. No insurance. Cause, careless dropping match in oily waste.

Monday, January 11, 6.00 P. M. Box 83. Concord Avenue. Dump fire.

Tuesday, January 12, 10.50 P. M. Box 25. No. 287 Main Street. Owned by Joseph Milensky as unfinished building. Cause, lime in cellar slacked by water from street.

Wednesday, January 13, 11.18 A. M. Box 295. No. 46 Market Street. Owned by Thomas Rizzo. Loss, \$100. Insurance, \$2,500. Occupied by C. Mitchel as dwelling. Cause, rats and matches in partition.

Wednesday, January 13, 4.41 P. M. Box 234. No. 315 Windsor Street. Owned and occupied by Joseph Cook as dwelling. Cause, children set fire in cellar.

Thursday, January 14, 10.15 A. M. Box 291. No. 463 Windsor Street. Owned by Lois Cherinsky. Loss, \$10. Insurance, \$1,000. Occupied by James Mtelo as dwelling. Cause, thawing water pipes.

Thursday, January 14, 7.09 P. M. Box 351. No. 478 Putnam Avenue. Owned by Annie Osborn. Loss, \$30. Insurance, \$1,500. Occupied by J. Sateriale as dwelling. Loss, \$92. Insurance, \$1,000. Cause, fire in rags in attic.

Thursday, January 14, 8.08 P. M. Still alarm. No. 336 Pearl Street. Owned and occupied by A. W. Balcomb as dwelling. Loss, \$130. Insurance, \$4,600. Cause, tobacco pipe in coat pocket.

Thursday, January 14, 9.29 P. M. Box 126. No. 291 Cambridge Street. Owned by Wentworth estate. Loss, trifling. Occupied by Frank Ferreira as clothing store. Loss, \$432. Insurance, \$1,000. Cause, dropping cigarette on clothing.

Friday, January 15, 5.28 P. M. Box 29. No. 1129 Cambridge Street. Owned by A. A. Braslan as dwelling. Cause, chimney fire.

Friday, January 15, 7.01 P. M. Still alarm. No. 453 Green Street. Owned by James Hagen as dwelling. Cause, chimney fire.

Saturday, January 16, 4.26 P. M. Box 416. Camelia Avenue. Owned by City of Cambridge. Loss, \$10. No insurance. Occupied by James Delory as greenhouse. Loss, \$50. No insurance. Cause, oil heater took fire.

Saturday, January 16, 10.23 P. M. Box 28. No. 146 Columbia Street. Owned by Robert Brown. Loss, \$37. Insurance, \$5,000. Occupied by L. J. Brown as dwelling. Loss, \$35. No insurance. Oil stove upset.

Sunday, January 17, 2.25 A. M. Box 137. No. 46 Bridge Street. Owned by Mary A. Linehan. Loss, \$350. Insurance, \$400. Occupied by Spiegel & Poste as blacksmith. Loss, \$1,500. Insurance, \$3,500. Occupied by Cambridge Poultry Co. as slaughter house. Loss, \$1,000. No insurance. Cause, supposed fire from forge.

Sunday, January 17, 11.58 P. M. Still alarm. No. 631 Massachusetts Avenue. Owned by John Corcoran. Occupied by John Haverly as office. No loss. Cause, fire in sawdust in paper spit box.

Monday, January 18, 8.08 P. M. Box 234. No. 327 Windsor Street. Owned by John Mahoney. Loss, \$12. Insurance, \$4,000. Occupied by B. McGeil as dwelling. Loss, \$15. Insurance, \$1,500. Cause, child set fire in closet.

Monday, January 18, 10.17 P. M. Box 39. No. 215 Green Street. Owned by Morrell estate. Loss, \$1,253. Insurance, \$15,000. Occupied by W. J. Cunningham as dwelling. Loss, \$1,211.16. Insurance, \$1,500. Cause, unknown.

Tuesday, January 19, 4.42 P. M. Box 212. Fire at No. 4 Bedford Street, Somerville.

Wednesday, January 20, 5.43 P. M. Still alarm. No. 214 Pearl Street. Owned by Levine & Robinson as dwelling. Cause, chimney fire.

Thursday, January 21, 10.37 P. M. Still alarm. No. 20 Pearl Street. Owned by George Kelley. Occupied by Kelsey Bros. as furniture store. No loss. Cause, hot ashes in paper in ash pit.

Friday, January 22, 10.22 A. M. Still alarm. No. 11 Highland Street. Owned and occupied by Moses P. White as dwelling. Cause, chimney fire.

Friday, January 22, 12.45 P. M. Box 381. No. 228 Western Avenue. Owned by Israel Nissen. Loss, \$75. Insurance, \$7,000. Occupied by P. Welch as dwelling. Loss, \$40. Insurance, \$1,000. Cause, child set fire to curtain.

Friday, January 22, 4.20 P. M. Still alarm. No. 51 Highland St. Owned by F. A. Kennedy estate. Occupied by Henry Bartlett as stable. Loss, trifling. Cause, boys set fire to rubbish.

Friday, January 22, 5.32 P. M. Box 391. No. 198 Auburn Street. Owned by H. M. Cressey. Loss, \$25. Insurance, \$2,500. Occupied by F. S. Langley as dwelling. Loss, \$130. Insurance, \$1,000. Cause, match on Christmas tree.

Friday, January 22, 7.15 P. M. Box 741. False alarm.

Friday, January 22, 10.08 P. M. Box 27. No. 769 Main Street. Owned by H. Bullard, trustee. Loss, \$631. Insurance, \$5,000. Occupied by S. Waserman as furniture store. Loss, \$525. Insurance, \$1,000. No. 767, occupied by L. Green as baker. Loss, \$65. Insurance, \$500. Cause, unknown.

Saturday, January 23, 8.40 A. M. Still alarm. No. 14 Center Street. Owned by Kenilworth Trust C. as dwelling. Loss, \$15. Insurance, \$1,000. Cause, hot ashes.

Saturday, January 23, 4.37 P. M. Box 124. No. 8 Fifth Street. Owned and occupied by Pico Guariano as dwelling. Loss, trifling. Cause, child set fire in closet.

Monday, January 25, 8.49 A. M. Box 124. No. 103 Gore Street. Owned by Curtis Burt. Loss, \$160. Insurance, \$12,000. Occupied by William Vatarus as dwelling. Loss, \$25. No insurance. Cause, child pulled fire from stove.

Tuesday, January 26, 10.14 A. M. Box 295. No. 235 Columbia Street. Owned by John McFarlain as dwelling. Cause, chimney fire.

Wednesday, January 27, 2.49 P. M. Box 49. No. 98 Ellery Street. Owned by William Rhoda estate. Loss, \$25. Insurance, \$6,000. Occupied by C. A. Eldridge as dwelling. Loss, \$80. Insurance, \$1,000. Cause, spark from stove on chair.

Wednesday, January 27, 4.32 P. M. Still alarm. No. 812 Main Street. Owned and occupied by L. C. Cutler as playhouse. Cause, children playing with matches.

Wednesday, January 27, 4.55 P. M. Box 391. No. 14 Cottage Street. Owned and occupied by M. Dunn as dwelling. Loss, \$390. Insurance, \$7,000. Occupied by Walter Harris. Loss, \$95. Insurance, \$800. Occupied by T. McQuale. Loss, \$60. Insurance, \$1,000. Cause, children set fire in rubbish in cellar.

Thursday, January 28, 8.56 P. M. Box 79. No. 2439 Massachusetts Avenue. Owned by James Henderson. No loss. Occupied by H. Crannell as dwelling. Loss, \$10. No insurance. Cause, bed blanket against gas stove.

Friday, January 29, 10.30 A. M. Still alarm. No. 203 Hampshire Street. Owned by Herbert Moore. Loss, \$60. Insurance, \$2,000. Occupied by T. J. Sullivan as dwelling. No loss. Cause, overheated stovepipe in partition.

Friday, January 29, 4.40 P. M. Box 391. No. 84 Pearl Street. Owned by William Rounds. Loss, \$100. Insurance, \$2,000. Occupied by C. Somonson as dwelling. Cause, boy dropped match in rubbish in cellar.

Saturday, January 30, 10.14 A. M. Box 18. No. 129 Spring Street. Owned by Nora O'Keefe. No loss. Occupied by J. O'Neal as dwelling. Cause, children playing with fire in cellar.

Sunday, January 31, 12.50 P. M. Box 461. No. 12 Mt. Auburn Street. Owned by Joseph Lerner. No loss. Occupied by Kate Joyce as dwelling. Loss, \$29. Insurance, \$500. Cause, spark from fireplace.

FEBRUARY.

Monday, February 1, 11.53 A. M. Box 52. No. 13 Hilliard Street. Owned by E. D. Fuller. Loss, \$252. Insurance, \$3,000. Occupied by Thomas T. Scudder as dwelling. Loss, \$120.50. Insurance, \$3,000. Cause, overheated furnace.

Tuesday, February 2, 7.21 P. M. Box 381. Rear No. 44 Grigg Street. Owned by T. Powers. Loss, \$300. Insurance, \$300. Occupied by Isador Roberts as stable. Loss, \$437. Insurance, \$600. Cause, careless dropping match when lighting lantern.

Wednesday, February 3, 9.27 P. M. Box 75. No. 488 Rindge Avenue. Owned by Joseph Plante as unoccupied dwelling. Loss, \$1,500. Insurance, \$1,500. Cause, careless dropping match in oily rags when lighting lantern.

Thursday, February 4, 9.50 A. M. Still alarm. No. 32 Fayette Street. Owned and occupied by M. Breen as stable. Loss, trifling. Cause, rats and oats in ceiling.

Friday, February 5, 6.50 P. M. Still alarm. No. 7 Summer Street. Owned by Timothy Mahoney as dwelling. Chimney fire.

Friday, February 5, 9.43 P. M. Still alarm. No. 74 Garfield Street. Owned by C. H. Farnsworth as dwelling. Chimney fire.

Friday, February 5, 10.08 P. M. Still alarm. Engine No. 3 responded to Somerville Box 113.

Saturday, February 6, 3.12 P. M. Still alarm. No. 72 Gore Street. Owned by John Whorisky. Loss, \$103. Insurance, \$4,000. Occupied by Peter Crowley as dwelling. Cause, overheated stovepipe set fire to partition.

Saturday, February 6, 5.41 P. M. Still alarm. No. 155 Walden Street. Owned by John Kelley. Occupied by A. McDonald as dwelling. No loss. Cause, overheated stovepipe.

Saturday, February 6, 7.00 P. M. Box 19. No. 43 Seventh Street. Owned by M. Gross. Occupied by K. Avaradician as dwelling. Cause, kettle of fat on stove.

Monday, February 8, 2.03 A. M. Box 27. No. 5 Clark Street. Owned by Windsor Trust Co. Loss, \$400. Insurance, \$2,000. Occupied by Hayward Club. Loss, \$10. No insurance. Occupied by David Cohen as cabinet maker. Loss, \$369.25. Insurance, \$700. Cause, overheated stovepipe.

Monday, February 8, 6.48 A. M. Box 624. Shepard Street and Massachusetts Avenue. Trolley car.

Tuesday, February 9, 11.49 A. M. Still alarm. Beacon Court. Rescue horse from pit.

Wednesday, February 10, 8.44 A. M. Still alarm. No. 53 River Street. Owned and occupied by J. F. Danskin as bakery. Loss, \$55. Insurance, \$8,000. Cause, tobacco pipe in coat pocket.

Wednesday, February 10, 5.50 P. M. Still alarm. No. 92 Broadway. Owned and occupied by Broadway Iron Foundry Co. Loss, \$39. Insurance, \$39. Cause, tobacco pipe in overalls set fire to patterns.

Friday, February 12, 12.17 A. M. Box 27. No. 659 Main Street. Owned by Patrick J. Colbert. Loss, \$509. Insurance, \$3,000. Occupied by J. Messina as dwelling. Loss, \$225. Insurance, \$1,000. Occupied by William Stellerio as dwelling. Loss, \$161. Insurance, \$1,000. Occupied by William Stellerio as barber shop. Loss, \$445. Insurance, \$700. Cause, unknown. Fire in partition.

Saturday, February 13, 1.21 A. M. Box 434. No. 52 Green Street. Owned by Frank Gintz as unoccupied dwelling. Loss, \$390. Insurance, \$2,500. Cause, incendiary.

Saturday, February 13, 5.48 P. M. Box 62. False alarm.

Saturday, February 13, 11.32 P. M. Box 351. No. 270 Pearl Street. Owned by Cambridge Real Estate Co. Loss, \$400. Insurance, \$24,500. Occupied by W. Kramer as upholstering. Loss, \$200. No insurance. Cause, dropping cigarette in hair in floor.

Sunday, February 14, 9.01 A. M. Still alarm. No. 9 Hastings Street. Owned by Brooks estate. No loss. Cause, rubbish in barrel set afire by boys.

Sunday, February 14, 5.35 P. M. Still alarm. No. 74 Windsor Street. Owned by Giles agent. Occupied by Ellen Eagan. Cause, smoke from stove.

Monday, February 15, 4.25 P. M. Box 27. No. 5 Clark Street. Owned by Windsor Trust Co. No loss. Cause, electric wire burned lead pipe on gas meter.

Wednesday, February 17, 12.05 P. M. Box 291. No. 987 Cambridge Street. Owned by Lewis Rubin. Loss, \$40. Insurance, \$6,700. Occupied by Daniel Mahoney as dwelling. Loss, \$5. No insurance. Cause, clothes hanging over stove.

Friday, February 19, 12.31 A. M. Still alarm. No. 356 Western Avenue. Owned by H. D. Davis. Loss, \$40. Insurance, \$1,000. Occupied by R. Abronson as stable. Loss, \$61. Insurance, \$400. Cause, careless smoking.

Friday, February 19, 6.12 P. M. Box 24. No. 29 Hampshire Street. Steam mistaken for fire.

Saturday, February 20, 2.12 A. M. Box 233. No. 171 Windsor Street. Owned by B. Wiseman. Loss, \$375. No insurance. Occupied by Max Cauler as grocery. Loss, \$200. No insurance. Cause, broken gas pipe in street. Gas went into building causing explosion.

Saturday, February 20, 5.14 P. M. Box 27. No. 798 Main Street. Owned by Dow estate. Loss, \$150. Insurance, \$20,000. Occupied by E. Brackston as dwelling. No loss. Cause, spontaneous in stove rags under sink.

Sunday, February 21, 9.35 A. M. Still alarm. Cat in tree.

Sunday, February 21, 10.22 A. M. Box 25. No. 181 Main Street. Owned by F. H. Stodard as dwelling. Loss, trifling. Cause, stovepipe through wood partition.

Sunday, February 21, 2.47 P. M. Still alarm. Bolton Street. Grass fire.

Sunday, February 21, 4.15 P. M. Still alarm. No. 595 Main Street. Owned by Brooks estate. Loss, \$8. Insurance, \$1,000. Cause, cigarette on awning.

Sunday, February 21, 9.35 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 21.

Monday, February 22, 12.40 A. M. Still alarm. No. 74 Clay Street. Owned by Wilfred Deselleir. Loss, \$200. Insurance, \$5,000. Occupied by John Lynch as dwelling. Loss, \$100. Insurance, \$500. Cause, tobacco pipe in coat pocket in closet.

Monday, February 22, 8.20 A. M. Still alarm. No. 18 Russell Street. Owned by Cora Gage. Loss, \$80. Insurance, \$3,500. Occupied by Emily Press as dwelling. Loss, \$45. Insurance, \$1,000. Cause, use of match in dark clothes closet.

Monday, February 22, 1.16 P. M. Still alarm. No. 145 Rindge Avenue. Dead tree fire.

Monday, February 22, 2.59 P. M. Still alarm. Fresh Pond Park. Grass fire.

Tuesday, February 23, 10.00 A. M. Box 191. No. 1 Spring Place. Owned by William Kelley as dwelling. No loss. Cause, child playing with fire.

Tuesday, February 23, 11.18 A. M. Box 282. No. 289 Washington Street. Owned by J. Augustine. Occupied by R. Ince as dwelling. Loss, trifling. Cause, mice and matches in drawer in closet.

Tuesday, February 23, 8.35 P. M. Still alarm. No. 1328 Cambridge Street. Owned and occupied by Jacob Litter as dwelling. Loss, \$366.50. Insurance, \$5,200. Cause, use of match in clothes closet.

Thursday, February 25, 8.58 A. M. Box 79. Cameron Avenue. Owned by C. H. Sanborn. Loss, \$250. Insurance, \$4,000. Occupied by C. Thayer as dwelling. No loss. Cause, rats and matches in furniture in cellar.

Thursday, February 25, 8.55 P. M. Still alarm. No. 37 Kirkland Street. Owned by Kirkland Trust Co. No loss. Cause, oily rags in cellar.

Thursday, February 25, 11.41 P. M. Box 95. Fire in Oxford Street, Belmont.

Friday, February 26, 12.29 A. M. Box 39. No. 525 Massachusetts Avenue. Owned by Harvard College. Loss, \$160. Insurance, \$6,000. Occupied by Koch Bros., Inc., as millinery store. Loss, \$1,925.53. Insurance, \$16,000. Cause, incendiary.

Friday, February 26, 8.22 P. M. Box 78. No. 10 Westley Street. Owned by Mary Smith. Loss, trifling. Occupied by John Atimas as dwelling. Loss, trifling. Cause, curtain on lamp.

Sunday, February 28, 1.10 A. M. Still alarm. No. 44 Walker Street. Owned by Harry Stearns. Loss, \$26. Insurance, \$5,000. Occupied by A. D. Hurd as dwelling. Loss, \$13. Insurance, \$2,000. Cause, bed clothing on chair with lighted candle.

Sunday, February 28, 1.17 A. M. Box 9. Concord Avenue. Owned by Boston House Wrecking Co. and Boston Packing and Provision Co. Loss, \$1,700. No insurance. Last occupied by glue company. Cause, supposed incendiary. Second alarm 1.23 A. M.

Sunday, February 28, 2 A. M. Box 791. False alarm.

Sunday, February 28, 8.57 A. M. Box 83. No. 389 Walden Street. Owned by F. B. McVail as unoccupied building. Cause, drying plaster made steam.

Sunday, February 28, 1.20 P. M. Still alarm. No. 26 Fourth Street. Owned and occupied by E. Campbell as dwelling. Chimney fire.

Sunday, February 28, 2.47 P. M. Box 191. No. 30 Eighth Street. Owned by Roco Scotti. Loss, \$50. Insurance, \$2,700. Occupied by A. Levy as dwelling. Loss, \$50. Insurance, \$800. Cause. lamp upset.

MARCH.

Monday, March 1, 6.56 P. M. Box 453. No. 52 Magee Street. Owned by Daniel T. McCauly. Loss, \$17.50. Insurance, \$3,000. Occupied by F. Holder as dwelling. Loss, \$89. Insurance, \$1,300. Cause, clothes over stove.

Monday, March 1, 8.59 P. M. Still alarm. Concord Avenue. Cause, ruins of glue factory.

Monday, March 1, 10.43 P. M. Still alarm. No. 290 Massachusetts Avenue. Owned by Fred Haldsworth as dwelling. No loss. Cause, boys set fire to rubbish in cellar.

Monday, March 1, 11.35 P. M. Still alarm. No. 820 Massachusetts Avenue. Owned and occupied by C. Y. M. C. A. Cause, smoke from fireplace.

Tuesday, March 2, 6.34 A. M. Box 251. No. 53 Main Street. Owned and occupied by Mead-Morrison Co. as machine shop. Cause, smoke mistaken for fire.

Tuesday, March 2, 7.30 P. M. Still alarm. Brookline Street. Dump fire.

Wednesday, March 3, 7.03 P. M. Still alarm. Third Street. Electric car took fire.

Wednesday, March 3, 4.54 P. M. Still alarm. No. 149 Brattle Street. Owned by Brewster estate. Occupied by F. W. Putnam. Chimney fire.

Wednesday, March 3, 6.53 P. M. Still alarm. No. 17 Tuttle Street. Owned by Michael Harney as dwelling. Occupied by Daniel Shea. Cause, chimney fire.

Wednesday, March 3, 7.17 P. M. Still alarm. No. 146 Brattle Street. Owned by A. D. Dowd as dwelling. Occupied by J. B. Millett. Cause, chimney fire.

Wednesday, March 3, 7.22 P. M. Still alarm. No. 26 Hurlbut Street. Owned by W. G. McLeod as dwelling. Cause, asbestos covering to furnace pipe.

Wednesday, March 3, 9.03 P. M. Still alarm. Prison Point Street. Bridge fire.

Thursday, March 4, 4.10 P. M. Still alarm. Pemberton Street. Grass fire.

Friday, March 5, 7.10 P. M. Still alarm. No. 18 Ames Street. Owned and occupied by Page & Shaw as confectionery factory. Loss, \$150. Insurance, \$85,000. Cause, unknown. Fire in locker.

Saturday, March 6, 12.55 A. M. Box 512. No. 26 Palmer Street. Owned by Charles Lake. Loss, \$200. Insurance, \$3,000. Occupied by D. K. Dinsmore as carpenter shop. Loss, \$287. Insurance, \$500. Cause, careless dropping match in shavings.

Saturday, March 6, 11.25 A. M. Still alarm. Engine No. 4 responded to Somerville Box 446.

Saturday, March 6, 3.54 P. M. Box 61. No. 60 Magnolia Avenue. Owned and occupied by Edward Kenney as dwelling. Loss, \$100. Insurance, \$1,000. Cause, careless dropping match in rubbish in cellar.

Saturday, March 6, 4.15 P. M. Box 165. Charles Street. Owned by F. L. Goldsmith as unoccupied shed. Loss, trifling. Fire on roof in bird's nest.

Sunday, March 7, 1.03 A. M. Box 511. No. 33 Boylston Street. Owned by Reed estate. Loss, trifling. Occupied by James Grant as upholstering. Loss, trifling. Cause, unknown. Fire in old couch in yard.

Sunday, March 7, 2.20 A. M. Still alarm. No. 40 Hampshire Street. Owned by T. Montgomery. Cause, old bed comforter in yard.

Sunday, March 7, 3.54 A. M. Still alarm. Murray Street. Owned by Boston Elevated Railway Co. as car. Loss, \$50. Insurance, \$2,200. Cause, set afire by tramps smoking in car.

Sunday, March 7, 2.49 P. M. Still alarm. No. 1815 Massachusetts Avenue. Grass fire.

Sunday, March 7, 9.58 P. M. Box 28. No. 10 Worcester Street. Owned by H. V. Wilder. Loss, trifling. Occupied by B. L. Watson as dwelling. Cause, match dropped in box of paper on cellar stairs.

Monday, March 8, 12.19 A. M. Box 215. No. 25 Marcella Street. Owned by Joseph Grosman. Loss, \$175. Insurance, \$4,500. Occupied by J. Grosman as dwelling. Loss, \$247. Insurance, \$800. Cause, boy set fire in clothes closet.

Monday, March 8, 12.25 P. M. Box 45. No. 33 Flagg Street. Owned by Charles Moore estate as unoccupied dwelling. No loss. Cause, children set fire to rubbish.

Monday, March 8, 1.18 P. M. Box 381. No. 387 Western Avenue. Owned by Israel Nisson. Loss, \$500. Insurance, \$5,000. Occupied by Rubin Nathan. Loss, \$300. Insurance, \$1,000. Cause, child set fire to bed.

Monday, March 8, 3.11 P. M. Box 291. No. 463 Windsor Street. Owned by Lois Chevinsky. Insurance, \$1,000. No claim made for loss. Occupied by J. Mettallo as dwelling. Loss, \$50. No insurance. Cause, incendiary.

Tuesday, March 9, 6.16 A. M. Box 512. No. 26 Church Street. Owned by C. Harrison. No loss. Occupied by J. O. Taylor as wood and coal shed. No loss. Cause, careless dropping match in sawdust.

Tuesday, March 9, 10.25 A. M. Box 791. No. 5 Cedar Street. Owned and occupied by Patrick Jennings as dwelling. Loss, \$155. Insurance, \$2,000. Cause, box of wood behind stove.

Tuesday, March 9, 12.15 P. M. Still alarm. Huron Avenue. Grass fire.

Tuesday, March 9, 2.15 P. M. Still alarm. Huron Avenue. Grass fire.

Wednesday, March 10, 9.39 A. M. Box 381. No. 162 Western Avenue. Owned and occupied by Max Kramer as dwelling. Loss, \$30. Insurance, \$1,000. Cause, defect in smoke pipe of furnace.

Wednesday, March 10, 1.10 P. M. Box 79. No. 2406-2420 Massachusetts Avenue. Owned by David Lonergan. Loss, \$10,000. Insurance, \$10,000. Occupied by Standard Furniture Co. Loss, \$5,000. Insurance, \$3,000. Occupied by L. J. Reynolds as dry goods. Loss, \$5,917.34. Insurance, \$6,000. Occupied by Fred De Levia as jewelry. Loss, \$750. No insurance. Occupied by J. T. Connor Co. as groceries. Loss, \$1,000. Insurance, \$1,000. Occupied by J. D. Lynch as drugs. Loss, \$4,100. Insurance, \$8,000. Occupied by A. Powers as bowling alley. Loss, \$700. Insurance, \$800. Cause, unknown. Originated in cellar of furniture store.

Wednesday, March 10, 1.20 P. M. Still alarm. Prison Point Street. Bridge fire.

Wednesday, March 10, 3.52 P. M. Still alarm. No. 56 Fayerweather Street. Grass fire.

Thursday, March 11, 8.58 A. M. Box 681. Buenavista Park. Grass fire.

Thursday, March 11, 3.30 P. M. Still alarm. No. 50 Spring Street. Owned and occupied by F. Axtman as dwelling. Loss, trifling. Cause, paper in chimney hole.

Friday, March 12, 5.28 A. M. Box 93. No. 85 Cushing Street. Owned by Augustus Reiman. Loss, \$50. Insurance, \$2,500. Occupied by John Olson as dwelling. Loss, \$340. Insurance, \$1,300. Cause, sparks from stove on clothing.

Friday, March 12, 10.30 A. M. Box 416. Camelia Avenue. Owned by City of Cambridge as greenhouse. Loss, \$50. No insurance. Cause, incendiary.

Friday, March 12, 11.38 A. M. Box 73. No. 3 Groveland Street. Grass fire.

Friday, March 12, 3.00 P. M. Box 73. Yerxa Road. Grass fire.

Friday, March 12, 4.53 P. M. Still alarm. Rindge Avenue Cemetery. Grass fire.

Friday, March 12, 12.55 P. M. Box 247. No. 75 Washington Street. Owned by Ellen Parsons. No loss. Occupied by A. Johnson as dwelling. Cause, wood in stove oven to dry took fire.

Saturday, March 13, 2.16 A. M. Box 346. No. 168 Brookline Street. Owned by James Hayden. Loss, \$198. Insurance, \$1,500. Occupied by W. H. Johnson as dwelling. Loss, \$203.45. Insurance, \$500. Cause, unknown. Fire in closet.

Saturday, March 13, 1.24 P. M. Still alarm. No. 49 Holworthy Street. Grass fire.

Saturday, March 13, 1.52 P. M. Still alarm. No. 10 Holworthy Street. Grass fire.

Saturday, March 13, 2.45 P. M. Still alarm. No. 24 Highland Avenue. Grass fire.

Saturday, March 13, 2.55 P. M. Box 21. No. 129 Willow Street. Owned by Samuel Greenwood. Loss, \$40. Insurance, \$1,800. Occupied by J. Greenstein as dwelling. Loss, \$38.50. Insurance, \$500. Cause, cigarette on chair.

Saturday, March 13, 5.27 P. M. Box 471. No. 27 Grant Street. Owned and occupied by J. Brennan as dwelling. Loss, \$50. Insurance, \$1,800. Cause, boys set fire outside of building.

Saturday, March 13, 5.59 P. M. Box 351. No. 232 Allston Street. Owned by Alex Spitzer. No loss. Occupied by Mary Howell as dwelling. Cause, match in barrel in cellar.

Sunday, March 14, 12.29 A. M. Box 47. No. 12 Holyoke Street. Owned by Hasty Pudding Club as club house. Loss, \$80. Insurance, \$25,000. Cause, unknown. Fire outside of building.

Sunday, March 14, 11.10 A. M. Still alarm. Middlesex Street. Grass fire.

Sunday, March 14, 1.20 P. M. Still alarm. No. 26 Arlington Street. Owned by A. G. Coolidge as dwelling. No fire. Cause, smoke backed down chimney.

Sunday, March 14, 3.23 P. M. Box 49. Cambridge and Baldwin Streets. Grass fire.

Sunday, March 14, 9.50 P. M. Box 381. No. 205 Western Avenue. Owned by Max Kramer. Loss, \$208. Insurance, \$3,000. Cause, set by boys under building.

Monday, March 15, 11.59 A. M. Still alarm. Lexington Avenue. Grass fire.

Monday, March 15, 3.51 P. M. Box 65. Avon Hill Street. Grass fire.

Tuesday, March 16, 10.20 A. M. Still alarm. No. 46 Ninth Street. Owned by Julia Hickey. No loss. Occupied by E. Murrick as dwelling. No loss. Cause, pan of fat on stove.

Tuesday, March 16, 12.01 P. M. Still alarm. Fresh Pond Park. Grass fire.

Wednesday, March 17, 12.27 P. M. Still alarm. No. 3 Garden Street. Owned by Sarah Howe as dwelling. Cause, chimney fire.

Wednesday, March 17, 10.42 P. M. Box 18. No. 230 Vine Street. Owned by George Lachervich. Loss, trifling. Occupied by John Mullen as dwelling. No loss. Cause, unknown. Fire in partition.

Thursday, March 18, 11.07 A. M. Still alarm. Charles River Road. Grass fire.

Friday, March 19, 7.54 P. M. Still alarm. No. 46 Washington Street. Owned by Rogers estate. Occupied by George Rocas as dwelling. No loss. Cause, match in sawdust in cellar.

Friday, March 19, 4.00 P. M. Still alarm. No. 6 Spring Street. Owned by Mary Feeney as dwelling. Cause, soot from fireplace afire.

Saturday, March 20, 1.15 P. M. Still alarm. Albany Street. Rubbish in street.

Saturday, March 20, 2.01 P. M. Still alarm. Concord Avenue. Dump fire.

Sunday, March 21, 11.52 A. M. Still alarm. No. 98 Garden Street. Grass fire.

Sunday, March 21, 2.00 P. M. Still alarm. Charles River Road. Grass fire.

Sunday, March 21, 7.26 P. M. Still alarm. No. 456 Massachusetts Avenue. Owned by A. Williams. No loss. Occupied by Charles Murlock as dwelling. No loss. Cause, rubbish under steps, set afire by boys.

Sunday, March 21, 7.54 P. M. Box 28. No. 15 Worcester Street. Owned and occupied by Mary Messer as dwelling. Cause, defect in gas pipe.

Tuesday, March 23, 10.30 A. M. Box 361. No. 13 Fairmont Street. Owned by G. Bertolani. Loss, \$100. Insurance, \$2,500. Occupied by John Nathan as dwelling. Loss, \$434. Insurance, \$1,000. Cause, child set fire in clothes closet.

Tuesday, March 23, 5.48 P. M. Box 47. No. 82 Plympton Street. Owned by Harvard Associates. Loss, \$515. Insurance, \$2,400. Occupied by F. H. Forbes as dwelling. Loss, \$100. No insurance. Cause, child set fire to bed. No. 84 Plympton Street. Owned by Harvard Associates. Loss, \$55. Insurance, \$1,000. Cause, exposed to No. 82 Plympton Street.

Wednesday, March 24, 8.58 A. M. Still alarm. Charles River Road. Grass fire.

Wednesday, March 24, 6.05 P. M. Still alarm. Sherman Street. Dump fire.

Thursday, March 25, 1.09 P. M. Box 84. Appleton Street. Grass fire.

Thursday, March 25, 2.15 P. M. Box 19. No. 606 Cambridge Street. Owned by Annie Lynch. Loss, \$275. Insurance, \$10,000. Occupied by Abe Levy as dry goods. Loss, \$800. Insurance, \$1,000. Cause, pan of fat on stove boiled over, setting fire. No. 608 Cambridge Street. Occupied by J. A. Hedin as furniture store. Loss, \$100. Insurance, \$5,000. Cause, smoke from fire at No. 606.

Thursday, March 25, 4.48 P. M. Still alarm. Cambridge and Elm Streets. Rubbish barrel in street.

Thursday, March 25, 7.18 P. M. Box 295. No. 263 Columbia Street. Owned by Thomas Hilton. Loss, \$136. Insurance, \$800. Cause, unknown. Fire under stairs.

Friday, March 26, 3.34 P. M. Still alarm. No. 62 Hampshire Street. Accidental automatic alarm.

Friday, March 26, 3.51 P. M. Still alarm. No. 103 Inman Street. Owned and occupied by Justin Ash as dwelling. Cause, smoke from furnace.

Friday, March 26, 4.28 P. M. Still alarm. Vassal Lane. Pile of wood set afire by boys.

Friday, March 26, 6.38 P. M. Still alarm. No. 393 Portland Street. Owned by Lois Sandler. No loss. Occupied by Samuel Gross. No loss. Cause, curtain on candle.

Friday, March 26, 9.40 P. M. Still alarm. No. 407 Massachusetts Avenue. Owned by H. D. Litchfield. Loss, trifling. Occupied by C. T. Weeks as dwelling. Cause, sparks on roof.

Saturday, March 27, 8.13 A. M. Box 346. No. 208 Brookline Street. Owned by Michael Keenan. Loss, \$25. Insurance, \$2,000. Occupied by Alex McCullan as dwelling. Loss, \$32. No insurance. Cause, child set fire to bed.

Saturday, March 27, 9.50 A. M. Box 38. No. 41 Pleasant Street. Owned by F. Gagliardi. Loss, \$1,200. Insurance, \$4,000. Occupied by Lois Furhman as dwelling. Loss, \$300. No insurance. Cause, defect in chimney. No. 43 Pleasant Street. Owned by Julius Rottenberg as dwelling. Loss, \$100. Insurance, \$2,500. Cause, exposed to No. 41.

Saturday, March 27, 9.52 A. M. Box 46. No. 46 Dana Street. Owned by Norman Symonia as dwelling. Loss, \$30. Insurance, \$6,000. Cause, sparks on roof.

Saturday, March 27, 10.48 A. M. Box 195. No. 149 Gore Street. Owned by J. P. Squires as dwelling. Cause, sparks on roof.

Saturday, March 27, 11.10 A. M. Still alarm. Line Street. Grass fire.

Saturday, March 27, 4.25 P. M. Still alarm. Fresh Pond Lane. Grass fire.

Saturday, March 27, 7.03. Box 291. No. 983 Cambridge Street. Owned by Lois Rubin as dwelling. Cause, old bed in yard set afire by boys.

Sunday, March 28, 1.05 A. M. Still alarm. No. 343 Main Street. Owned by John Shultz. Loss, \$60. Insurance, \$5,000. Occupied by Diago Grosso as shoe store. Loss, \$900. Insurance, \$2,000. Cause, dropping cigarette in waste paper.

Sunday, March 28, 11.48 A. M. Still alarm. No. 182 River Street. Owned by Boston Elevated Railway as car. No loss. Cause, defect in wires under car.

Sunday, March 28, 1.54 P. M. Still alarm. Fresh Pond Park. Grass fire.

Sunday, March 28, 3.59 P. M. Still alarm. No. 317 Prospect Street. Grass fire.

Sunday, March 28, 4.14 P. M. Still alarm. Concord Avenue. Old barrels on vacant land.

Sunday, March 28, 4.39 P. M. Still alarm. No. 30 Oxford Street. Grass fire.

Sunday, March 28, 4.40 P. M. Box 12. No. 6 Fourth Street. Owned by James Segan as shed. Cause, wood in shed set afire by boys.

Sunday, March 28, 8.46 P. M. Box 681. No. 30 Hubbard Avenue. Owned by S. Blackman. Loss, \$40. Insurance, \$2,000. Occupied by J. C. Randall as dwelling. Loss, \$87.50. Insurance, \$700. Cause, lamp exploded.

Monday, March 29, 7.08 P. M. Box 195. No. 21 Squires Court. Owned by Giles Taintor. Loss, trifling. Occupied by R. Genararia as dwelling. Loss, \$25. No insurance. Cause, feather bed in store room in attic.

Monday, March 29, 10.35 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 21.

Tuesday, March 30, 4.15 P. M. Still alarm. Brookline Street. Bridge fire from dump.

Tuesday, March 30, 5.27 P. M. Box 84. Sparks Street. Owned by Wyman estate. Grass fire.

Tuesday, March 30, 9.14 P. M. Box 621. No. 57 Wendell Street. Owned by D. J. Hayes. Loss, \$907. Insurance, \$2,600. Occupied by R. P. Friery as dwelling. Loss, \$250. No insurance. Cause, child set fire in pantry.

Wednesday, March 31, 12.24 P. M. Box 83. Coakley Street. Owned by Alfred Tremblay. Loss, \$25. Insurance, \$50. Occupied by A. Tremblay as locker. Loss, \$120. Insurance, \$450. Cause, match in oakum.

Wednesday, March 31, 5.22 P. M. Box 681. No. 9 Cambridge Terrace. Owned by M. T. Carney. Loss, \$20. Insurance, \$4,000. Occupied by F. Richards as dwelling. Loss \$131. Insurance, \$1,000. Cause, match dropped on chair.

Wednesday, March 31, 7.20 P. M. Still alarm. No. 18 Lambert Street. Owned by T. Eunison as dwelling. Cause, chimney fire.

REPORT OF THE AGENT OF SOLDIERS' AID 1914-1915

Number of beneficiaries March 31, 1914.....	407	
Applications granted during year.....	66	
	<hr/>	473
Died during the year.....	27	
Left the city and discontinued	29	
	<hr/>	56
		<hr/>
Total number March 31, 1915.....		417
Amount appropriated for 1914-1915.....	\$28,960 00	
Additional appropriations	2,890 48	
	<hr/>	
Total appropriation		\$31,850 48

EXPENDITURES

State Aid Pay-roll	\$12,464 00	
Military Aid Pay-roll	488 00	
Soldiers' Relief Pay-roll	17,262 00	
Salary of Clerk	673 61	
Pensioned Clerk	158 38	
Soldiers' Burials (6)	294 00	
Stationery, printing and office expenses.....	151 62	
Physicians, ambulances and transportation.....	37 47	
Hospital charges	199 41	
Groceries, fuel and clothing	121 99	
	<hr/>	
		\$31,850 48

EDWARD F. SULLIVAN,
Clerk and Agent.

REPORT OF THE CAMBRIDGE WATER BOARD

April 1st, 1915.

To the Honorable, the City Council of the City of Cambridge:—

The fiftieth annual report of the Cambridge Water Board for the year ending March 31, 1915, is herewith submitted for your consideration.

The reports of the Superintendent of Water Works, Water Registrar and Commissioners of the Sinking Fund of the City give in detail the operations and financial condition of the water works.

FINANCIAL STATEMENT IN BRIEF

Total cost of the water works to March 31, 1914.....	\$6,640,032 87
Expended during the past year on Construction account.....	23,534 34
	\$6,663,567 21
Total cost to March 31, 1915.....	

WATER WORKS BOND ACCOUNT

Whole amount of bonds outstanding.....	\$2,922,100 00
Less value of water debt sinking fund.....	1,900,141 23
	\$1,021,958 77
Net water debt on March 31, 1915.....	

During the past year \$19,000.00 of three and one-half per cent. serial water bonds matured and were paid.

The following bonds were issued during the year:—

July 1, 1914, \$45,000.00 for thirty years at four per cent. per annum in serial form.

Deducting the amount of bonds paid during the year from the bonds issued makes the total bonded indebtedness \$26,000.00 more than on March 31, 1914.

CONSUMPTION OF WATER

The total consumption of water for the year ending April 1, 1914, was	3,985,123,900 gallons
The total consumption of water for the year ending April 1, 1915, was.....	3,434,421,300 “
	550,702,600 “
Decrease from last year.....	

Average daily consumption in 1914.....	10,918,147 gallons
“ “ “ “ 1915	9,409,373 “
Average daily decrease from last year.....	1,508,774 “

CONSUMPTION OF WATER

The marked decrease in the average consumption for 1914-15 amounting to 1,508,774 gallons, daily, has been accomplished by the adoption of an improved method of inspection. By the present method the premises of each consumer is visited monthly and in cases where defective fixtures are found notice is promptly sent to the owner, with the request that they be repaired. The response to these requests has been as a whole very satisfactory, showing that the public is co-operating with the Board in the endeavor to curtail the waste of water.

Consulting Engineer Stearns in a report to the Board in 1911 (page 11) estimated that the daily consumption of Cambridge based on a population of 110,000 for the year 1914, without general metering would be 11,740,000 gallons, or 107 gallons to each inhabitant. By our new inspection we have reduced the daily consumption to 9,409,373 gallons, or 82.53 gallons per inhabitant on the basis of an estimated population of 114,000, a saving of 2,330,000 gallons per day, or 24.5 gallons per inhabitant.

We feel that we have by no means reached the limit of the saving that can be effected by close inspection, and the continued co-operation of the public, and are confident that the close of 1915 will find that we have made a further reduction of at least 500,000 gallons per day, or a total saving of 2,000,000 gallons per day, and in the meantime have met the natural increase in consumption due to increased population and growths of industries in the city.

WATER SUPPLY

Hobbs Brooks reservoir is about three feet below high water mark; Stony Brook and Fresh Pond reservoirs are full; and we are assured of an ample supply of water during the coming year, especially in view of the decreased consumption.

In this connection, attention should be called to a map being prepared by City Engineer Hastings (at the request of the Board), showing the entire water shed of Stony Brook and Hobbs Brook, and the location of any premises which may be a future menace

to the purity of the city water, and will be a valuable guide in the future if any question of the locations of new cesspools or possible causes of pollution are under discussion by the Board.

FUTURE DEVELOPMENT

Last year the Board stated it would be well to delay the introduction of a general meter system, pending the results of the monthly inspection of supplies and fixtures on the premises of water consumers. The results of the monthly inspection during the past year have been so satisfactory that we feel the installation of meters can be further postponed.

FILTRATION PLANT

After giving considerable time and consideration to the reports of Consulting Engineer Frederic P. Stearns, Prof. Hector J. Hughes, and City Engineer Lewis M. Hastings of studies of 1911 and 1912, and of the studies made by Prof. George C. Whipple and Dr. John W. M. Bunker made in 1913 and 1914, and after viewing a number of filtration plants and conferring with Consulting Engineers George W. Fuller and George A. Johnson, who appeared before the Water Board for a conference on filtration of the city water, the Water Board decided it was unwise to further delay the construction of a filtration plant.

Consulting Engineer Frederick P. Stearns in his report of 1911 says:—

“The population upon the drainage areas is growing, and it will become more and more difficult to maintain the purity of the water. Under these circumstances, while filtration is not absolutely necessary at the present time, it should be adopted as soon as the finances of the department will permit. The finances are improving rapidly, and if large expenditures for an increased supply are avoided, will continue to do so, owing to the paying off of large portions of the debt and the consequent reduction of the annual interest and sinking fund charges.

“It now seems probable that plans for filtration might be perfected in 1912, and work begun in the spring of 1913, so that filtered water would be available before the end of 1914, without increasing existing water rates, this statement being based upon the assumption that general metering will be adopted, and that a re-

duction of the water rates from time to time thereafter might be made."

Prof. Hector J. Hughes says in his report of 1912:—

"By filtering the water (when that becomes necessary) a steady, large permanent supply of pure water can be obtained; and even with the added cost of filtration, the cost of this water will in a few years be small."

"Provide plans for filtration in the near future."

City Engineer Hastings says in his report of 1912:—

"Early consideration of means for such measure of filtration of the water furnished as shall substantially reduce the present color and taste of the water, together with such organisms and bacteria as may be possible, without excessive cost for the filtration works and their operation."

Prof. George C. Whipple says in his report of 1913:—

"In view of the fact that the danger of infection from the water supply is bound to increase as time goes on, but chiefly because the water supply is unclean and unpalatable, it is my opinion that the water supplied to Cambridge should be aerated and filtered. In no other way can a satisfactory water supply from the present works be obtained. Neither sanitary improvements on the catchment area or an increase in the storage capacity of Fresh Pond will suffice. That the present water can be made entirely safe and satisfactory by aeration and filtration may be emphatically asserted."

Although the financial problem is not of chief importance where the health of the citizens is concerned, it is well to state at this time the financial resources of the department will permit the filtration plant to be constructed without an increase in the water rate charges or general tax levy, the bond issue, if authorized, being paid solely from receipts from water rates as at present in force.

On reaching the above conclusions, the Water Board voted to employ Mr. George A. Johnson, an engineer of large experience in design and construction of filtration plants, author of many publications relative to pure and wholesome water, and generally familiar with the Cambridge water problem.

Your Honorable Body has now before it a request that an appropriation of three hundred thousand dollars (\$300,000.00) be made for the installation of a filtration plant. We hope that the matter will have your early and favorable consideration, for we feel that where the health of 112,000 people is concerned, prompt action is essential.

METERS

Two hundred and sixty-five (265) meters were placed during the year, making the total number now in use, five thousand five hundred twenty-four (5,524), 33.75 per cent. of the services now being metered.

IN GENERAL

The amounts paid into the sinking fund in excess of the legal requirements during the past four years, together with the excess of \$24,810.79 carried to the sinking fund this year, has made up the estimated deficit in the fund to the amount recommended by the experts, and will undoubtedly meet the funded debt at maturity. As all future bonds will be of serial form and payments met from the annual income from water rates, we need not have further concern regarding our financial standing.

JAMES J. SCULLY,
JOHN F. O'BRIEN,
JOSEPH E. DOHERTY,
BERNARD E. McDERMOTT,
JOHN P. CONROY,

Cambridge Water Board.

REPORT OF THE WATER REGISTRAR

Water Registrar's Office,
April 1, 1915.

Mr. Edward W. Quinn,
Chief Superintendent,
Cambridge Water Works,

In compliance with the requirements of the city ordinance I present the fiftieth annual report of the operations of this department showing the receipts, expenditures, abatements, etc., for the year ending March 31, 1915:—

Amount of bills remaining unpaid March 31, 1914:—

Water rates	\$4,244 12	
Supplies and repairs	2,708 05	
Off and on	99 00	
Seals	16 00	
Rent	12 00	
Maintenance account	1,923 50	
Construction account	1,585 72	
	<hr/>	\$10,588 39

Amount of bills placed in hands of city treasurer for collection from April 1, 1914, to March 31, 1915:—

Water rates	\$406,248 81	
Supplies and repairs	9,314 72	
Off and on	104 00	
Rents	630 90	
Seals	32 50	
Maintenance account	3,247 73	
Construction account	3,949 71	
	<hr/>	\$423,528 37
		<hr/>
		\$434,116 76

There has been collected:—

Water rates	398,965 33
Supplies and repairs	8,995 15
Off and on	101 00
Rents	642 90
Seals	34 00
Maintenance account	3,030 93
Construction account	5,471 52

There has been abated:—

Water rates, off and on, and seals, supplies and repairs and construction account	3,353 21
---	----------

There remains uncollected:—

Water rates	8,552 01	
Supplies and repairs	2,719 17	
Off and on	101 00	
Seals	13 00	
Maintenance account	2,073 63	
Construction account	63 91	
	<hr/>	\$434,116 76

EXPENDITURES

Construction account, from April 1, 1914, to March 31, 1915 (this item includes an expenditure of \$1,363.57 for Detector Meters and setting same, which amount is eventually returned to the department in the form of revenue).....	\$23,534 34	
Maintenance account, from April 1, 1914, to March 31, 1915	155,050 45	
Serial bonds paid.....	19,000 00	
	<hr/>	\$197,584 79

ABATEMENTS

Water rates and supply and repair bills from April 1, 1914, to March 31, 1915, to the amount of.....	\$3,353 21
--	------------

REFUNDS

Water rates from April 1, 1914, to March 31, 1915, to the amount of	\$2,138 07	
Which amount deducted from receipts.....	398,965 33	
	<hr/>	
Leaves net receipts for water.....	\$396,827 26	
Add off and on, rents, fines, seals, and maintenance and supply accounts	12,803 98	
Makes net receipts of rates, fines, etc.....	<hr/>	\$409,631 24

Statement of yearly revenue received from water rates since the purchase of the works by the City:—

From April 28, 1865, to December 1, 1865.....	\$32,367 19
From December 1, 1865, to December 1, 1866.....	40,073 27
From December 1, 1866, to December 1, 1867.....	53,733 62
From December 1, 1867, to December 1, 1868.....	63,747 42
From December 1, 1868, to December 1, 1869.....	76,149 30
From December 1, 1869, to December 1, 1870.....	92,605 95
From December 1, 1870, to December 1, 1871.....	111,782 65
From December 1, 1871, to December 1, 1872.....	127,201 30
From December 1, 1872, to December 1, 1873.....	146,117 32
From December 1, 1873, to December 1, 1874.....	153,634 27
From December 1, 1874, to December 1, 1875.....	138,880 37
From December 1, 1875, to December 1, 1876.....	179,166 76
From December 1, 1876, to December 1, 1877.....	154,843 59

From December 1, 1877, to December 1, 1878.....	157,443 91
From December 1, 1878, to December 1, 1879.....	164,681 90
From December 1, 1879, to December 1, 1880.....	173,325 49
From December 1, 1880, to December 1, 1881.....	170,062 73
From December 1, 1881, to December 1, 1882.....	177,430 80
From December 1, 1882, to December 1, 1883.....	179,361 89
From December 1, 1883, to December 1, 1884.....	161,526 27
From December 1, 1884, to December 1, 1885.....	185,544 36
From December 1, 1885, to December 1, 1886.....	199,404 43
From December 1, 1886, to December 1, 1887.....	204,748 64
From December 1, 1887, to December 1, 1888.....	211,156 27
From December 1, 1888, to December 1, 1889.....	221,124 70
From December 1, 1889, to December 1, 1890.....	231,116 32
From December 1, 1890, to December 1, 1891.....	227,054 53
From December 1, 1891, to December 1, 1892.....	237,527 08
From December 1, 1892, to December 1, 1893.....	242,219 78
From December 1, 1893, to December 1, 1894.....	250,032 71
From December 1, 1894, to December 1, 1895.....	268,813 62
From December 1, 1895, to December 1, 1896.....	281,030 00
From December 1, 1896, to December 1, 1897.....	291,457 62
From December 1, 1897, to December 1, 1898.....	297,129 78
From December 1, 1898, to December 1, 1899.....	302,569 00
From December 1, 1899, to December 1, 1900.....	319,479 37
From December 1, 1900, to December 1, 1901.....	320,468 01
From December 1, 1901, to December 1, 1902.....	323,000 53
From December 1, 1902, to December 1, 1903.....	333,777 34
From December 1, 1903, to December 1, 1904.....	339,109 27
From December 1, 1904, to December 1, 1905.....	343,916 00
From December 1, 1905, to December 1, 1906.....	355,768 47
From December 1, 1906, to December 1, 1907.....	373,151 35
From December 1, 1907, to March 31, 1909 (16 months).....	410,533 41
From April 1, 1909, to March 31, 1910.....	351,264 86
From April 1, 1910, to March 31, 1911.....	375,722 42
*From April 1, 1911, to March 31, 1912.....	353,891 02
From April 1, 1912, to March 31, 1913.....	385,475 71
From April 1, 1913, to March 31, 1914.....	383,342 41
From April 1, 1914, to March 31, 1915.....	396,827 26

*Reduction in water rate schedule.

COMPARATIVE STATEMENT

	1913-1914		1914-1915	
Construction Account				
HOBBS BROOK CONDUIT				
<i>Received</i>				
From sale of bonds	\$10,000 00			
Balance from 1913 appropriation	6,065 39			
Balance from 1914 appropriation			\$9,579 39	
<i>Expended</i>		\$16,065 39		\$9,579 39
Land settlements	\$6,486 00		\$457 92	
Balance to credit of 1914-1915..	9,579 39			
Balance to credit of 1915-1916..			9,121 47	
		\$16,065 39		\$9,579 39
Construction Account				
GENERAL				
<i>Received</i>				
From bonds issued	\$40,000 00		\$45,000 00	
Balance from 1913 appropriation	44 85			
Balance from 1914 appropriation			3,314 91	
<i>Expended</i>		\$40,044 85		\$48,314 91
Sundry bills and pay rolls....	\$36,729 94		\$23,076 42	
Balance to credit of 1914-1915..	3,314 91			
Balance to credit of 1915-1916..			25,238 49	
		\$40,044 85		\$48,314 91
Construction Account				
DETECTOR METERS				
<i>Received</i>				
Balance from 1913 appropriation	\$2,470 12			
Transferred from receipts.....	5,000 00			
Balance from 1914 appropriation			\$3,284 38	
<i>Expended</i>		\$7,470 12		\$3,284 38
For meters and setting.....	\$4,185 74		\$1,363 57	
Balance to credit of 1914-1915..	3,284 38			
Balance to credit of 1915-1916..			1,920 81	
		\$7,470 12		\$3,284 38

COMPARATIVE STATEMENT—(Concluded)

Maintenance Account	1913-1914		1914-1915	
Received				
From rates, fines, etc.....	\$403,453 95		\$415,122 52	
Accrued interest on bonds sold	154 29		95 00	
Expended		\$403,608 24		\$415,217 52
Salaries of Registrar, Superin-				
tendent, etc.	\$14,191 84		\$20,546 33	
General expenses and reservoirs	83,075 41		98,716 11	
Pumping, salaries and other ex-				
penses	24,429 45		32,540 33	
Ice for drinking fountains.....	970 81		747 68	
Services of city solicitor and				
city treasurer	2,500 00		2,500 00	
Abatements and refunds.....	4,373 66		5,491 28	
Sinking fund	92,880 00		87,255 00	
Interest on water debt.....	110,965 25		111,132 75	
Serial bond paid.....	16,500 00		19,000 00	
Balance due sinking fund.....	53,721 82		24,810 79	
Reappropriations			12,477 25	
		\$403,608 24		\$415,217 52
Balance due sinking fund 1913-				
1914		\$53,721 82		
Balance due sinking fund 1914-				
1915				\$24,810 79

The usual house to house inspection has been made.

Respectfully submitted,

WALTER H. HARDING,
Registrar.

REPORT OF THE SUPERINTENDENT OF THE WATER WORKS

Cambridge, Mass., April 1, 1915.

To the Honorable Water Board of the City of Cambridge:

Gentlemen:—Complying with the requirements of the City Ordinance, I herewith submit for the year extending from April 1, 1914, to March 31, 1915, the second annual report of the "General Superintendent," which is the fiftieth report of this branch of the Water Department.

CONSUMPTION

The decrease of 550,702,600 gallons in our annual consumption this year is due to the new system of inspection as instituted last year by the Water Board for the monthly inspection of premises for the detection of leakage in household fixtures.

Our average consumption for the past year was 3,434,421,300 gallons.

Our average daily consumption for the past year was 9,409,373 gallons, which compared with the average daily consumption of last year; i. e., 10,918,147 gallons shows a decrease per day of 1,508,774 gallons, or a decrease per day per capita of 15.22 gallons.

Considering the increase in the population, which is estimated at 114,000, we consider this a very satisfactory result for the first year's trial of this system. Since 1902, when our consumption per capita was 85.27, with an estimated population of 94,152, our consumption has not been so small.

The following table will exhibit the months in which the decrease was apparent.

Table Showing Total Consumption for the Year Ending March 31, 1915, as Compared with the Year Ending March 31, 1914.

	Total Consumption Year Ending March 31, 1914	Total Consumption Year Ending March 31, 1915	Decrease	Increase
	Gallons	Gallons	Gallons	Gallons
April	317,884,800	320,021,200	.....	2,136,400
May	339,013,000	317,697,800	21,315,200	.....
June	338,099,000	312,716,400	25,382,600	.....
July	312,291,200	299,428,400	42,862,800	.....
August	317,070,800	272,348,000	44,722,800	.....
September	288,735,300	275,140,400	13,594,900	.....
October	317,279,600	273,411,800	43,867,800	.....
November	312,438,200	254,020,000	58,418,200	.....
December	322,175,200	285,180,800	36,994,400	.....
January	371,258,800	284,674,000	86,584,800	.....
February	362,078,400	260,996,700	101,081,700	.....
March	356,799,600	278,785,800	78,013,800	.....
	3,985,123,900	3,434,421,300	550,702,600	.....

Comparative Statement of Total Consumption During the Past Eleven Years.

Year	Annual Consump- tion	Increase or Decrease	Average Daily Consump- tion	Increase or Decrease	Average Daily Consump- tion per Capita	Esti- mated Popu- lation
	Gallons	Gallons	Gallons	Gallons	Gallons	
*1904	3,210,982,145	50,277,785 increase	8,773,175	113,712 increase	89.68	97,825
*1905	3,294,159,640	83,177,495 "	9,025,095	251,920 "	92.63	97,426
*1906	3,386,180,600	92,020,960 "	9,277,207	252,112 "	92.83	99,934
*1907	4,038,875,720	652,695,120 "	11,065,413	1,788,206 "	110.00	99,912
*1908	3,842,170,340	196,705,380 decrease	10,497,733	567,680 decrease	104.00	100,000
†1909	3,692,451,980	149,718,360 "	10,116,307	381,426 "	101.00	100,000
†1910	3,678,588,720	13,763,260 "	10,078,325	37,982 "	97.84	103,000
†1911	3,794,689,680	116,100,960 increase	10,396,410	318,085 increase	99.16	104,839
†1912	3,868,026,800	73,337,120 "	10,568,380	171,970 "	100.00	104,839
†1913	3,827,528,600	40,498,200 decrease	10,486,380	82,000 decrease	95.33	110,000
†1914	3,985,123,900	157,595,300 increase	10,918,147	431,767 increase	97.75	112,000
†1915	3,434,421,300	550,702,600 decrease	9,409,373	1,508,774 decrease	82.53	114,000

* Figures for year extending from December 1 to November 30.

† Figures for year extending from April 1 to March 31.

Total Rainfall for the Past Year at Fresh Pond, Stony Brook and Hobbs Brook Reservoirs

	Fresh Pond Reservoir	Stony Brook Reservoir	Hobbs Brook Reservoir
1914	Inches	Inches	Inches
April	5.46	5.37	5.13
May	2.63	2.69	2.50
June	1.41	1.79	2.10
July	2.53	2.50	2.42
August	2.57	4.92	3.35
September .....	.51	.17	.30
October	1.31	1.69	1.60
November	2.54	2.50	2.65
December	3.02	3.41	3.37
1915			
January	6.43	6.17	5.55
February	2.70	3.23	4.05
March .....	.....	.....	.....
Total (inches)	31.11	34.44	33.02

Total Rainfall for the Past Thirteen Years at Fresh Pond, Stony Brook and Hobbs Brook Reservoirs

	Fresh Pond Reservoir	Stony Brook Reservoir	Hobbs Brook Reservoir
	Inches	Inches	Inches
	Year extending from December 1 to November 30		
1903	44.23	45.97	47.42
1904	42.89	41.18	39.95
1905	32.68	38.40	37.96
1906	38.71	39.16	39.16
1907	36.55	42.32	39.20
1908	29.77	34.93	31.50
	Year extending from April 1 to March 31		
1909	30.67	34.87	34.77
1910	34.97	37.83	35.08
1911	28.86	31.78	28.26
1912	35.60	42.63	39.90
1913	30.58	41.22	40.26
1914	39.24	42.13	40.71
1915	31.11	34.44	33.02

The following statistics refer to year ending from April 1, 1914, to March 31, 1915.

Total amount of coal consumed.....	4,766,900 lbs.
Daily average coal consumed.....	{ Engine No. 7, 12,107 lbs. Engine Nos. 1 and 2, 20,708 lbs.
Coal per million gallons pumped.....	1,388 lbs.
Highest water elevation in Fresh Pond was on February 3, 1915..	17.30
Lowest water elevation in Fresh Pond was on December 25, 1914.	14.60
Average height of water in Fresh Pond	16.07
Highest water elevation in Stony Brook Reservoir was on February 16, 1915	82.12
Lowest water elevation in Stony Brook Reservoir was on July 3, 1914	71.82
Highest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on April 1, 1914.....	181.60
Lowest water elevation in Hobbs Brook Reservoir, No. 1 Lincoln Street, was on October 1, 1914.....	180.40
Highest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on April 1, 1914.....	181.55
Lowest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on January 7, 1915.....	171.60
Total rainfall at Fresh Pond.....	31.11
Total rainfall at Stony Brook Reservoir	34.44
Total rainfall at Hobbs Brook Reservoir.....	33.02

FRESH POND

The average height of the pond for the year has been 16.07, or .13, feet lower than last year (16.20).

As the intake gate of the 63-inch conduit was closed for thirty (30) days during the year, the lower average elevation may be accounted for.

Fishing permits were issued as usual for morning and afternoon privileges during the season extending from May first to November first.

The standing grass not needed by the department was sold at public auction at an advance of forty dollars (\$40) over last year's receipts.

A new horse was purchased this year.

The usual amount of work on the roadways and for the protection of the trees from the ravages of the destructive moths has been done.

SUPERINTENDENT'S HOUSE

The house originally occupied by the former superintendent has been thoroughly repaired and painted inside and the outside of it and the outside of the barn (now used as a garage) have been painted.

The "General Superintendent" occupied the premises in October, 1914.

FRESH POND

	Lowest Elevation During Month	Highest Elevation During Month	Monthly Rainfall	Average Height of Pond	Impage	Registration of Weir	
1914			Inches				
April 1.....	16.87	.....	.....	.....	.....	.....
April 28.....	.....	17.25	5.46	17.06	320,021,200	229,000,000	25 days
May 4.....	16.69	.....	.....	.....	.....	.....
May 13.....	.....	16.96	2.63	16.84	317,697,800	233,500,000	29 days
June 10.....	.....	16.81	.....	.....	.....	.....
June 27.....	16.65	.....	1.41	16.74	312,716,400	289,750,000	30 days
July 8.....	.....	17.06	.....	.....	.....	.....
July 31.....	16.21	.....	2.53	16.69	299,428,400	230,250,000	31 days
August 1...	.....	16.18	.....	.....	.....	.....
August 28....	15.75	.....	2.57	15.95	272,348,000	207,750,000	31 days
September 1	.....	15.78	.....	.....	.....	.....
September 16	15.31	.....	.51	15.44	275,140,400	224,250,000	30 days
October 1...	15.37	.....	.....	.....	.....	.....
October 27...	.....	15.89	1.31	15.60	273,411,800	263,500,000	31 days
November 1.	15.94	.....	.....	.....	.....	.....
November 23.	.....	16.46	2.54	16.19	254,020,000	236,000,000	30 days
December 1.	.....	16.26	.....	.....	.....	.....
December 25.	14.60	.....	3.02	15.55	285,180,800	145,000,000	20 days
1915							
January 1...	14.73	.....	.....	.....	.....	.....
January 31..	.....	17.07	6.43	15.85	284,674,000	309,000,000	31 days
February 3..	.....	17.30	.....	.....	.....	.....
February 8..	16.43	.....	2.70	16.87	195,387,600	151,500,000	19 days
March 1.....	.....	16.75	.....	.....	.....	.....
March 7.....	16.33	.....	.....	16.52	344,394,900	223,000,000	28 days
			31.11	16.07	3,434,421,300	2,742,500,000	335 days

PUMPING STATION

The new coal shed has been finished and the new trestle, track and scales will soon be installed so that we will in the very near future have a plant adequately equipped for handling our cargoes of coal.

A much-needed metal ceiling has been placed which has improved the interior appearance of the station.

The report of the Chief Engineer of the Station is appended.

FRESH POND PUMPING STATION

	RUNNING TIME			PUMPAGE		COAL		Rainfall	Average Height of Pond
	Engine No.	Total	Daily Average	Total	Daily Average	Total	Daily Average		
1914									
April	7	Hours 395.25	Hours 13.17	Gallons 320,021,200	Gallons 10,667,373	Pounds 411,600	Pounds 13,686	Inches 5.46	Feet 17.06
May	7	392.25	12.35	317,697,800	10,248,316	403,900	13,029	2.63	16.84
June	7	386.37	13.11	312,716,400	10,423,880	398,300	13,276	1.41	16.74
July	7	370.	11.29	299,428,400	9,658,980	379,800	12,251	2.53	16.69
August	7	339.50	10.59	272,348,000	8,785,419	349,700	11,280	2.57	15.95
September	7	340.50	11.25	275,140,400	9,171,346	347,400	11,580	.51	15.44
October	7	336.25	10.41	273,411,800	8,819,735	342,800	11,058	1.31	15.60
November	7	314.	10.46	254,020,000	8,467,333	337,300	11,243	2.54	16.19
December	7	351.25	11.25	285,180,800	9,199,380	377,800	12,187	3.02	15.55
1915									
January	7	350.75	11.54	284,674,000	9,183,032	375,600	12,116	6.43	15.85
February	7	241.25	11.49	195,387,600	9,321,310	253,800	12,181	2.70	16.87
	1	138.50	19.81	{ 65,609,100	{	182,800	26,114		
	2	91.	13.		8,993.090				
March	1	623.50	20.11	278,785,800		604,100	19,487		16.52
	2	349.50	11.27						
Total		5,019.87		3,434,421,300		4,766,900		31.11	16.07
Daily average			Nos. 7—11.67 1—20. 2—11.59		9,409,373		(327 days) No. 7—12,107 (38 days) Nos. 1—2—20,708		

OPERATING EXPENSES AT THE PUMPING STATION

For the year extending from April 1, 1914, to March 31, 1915:

Advertising	\$12 74	
Analyses	68 63	
Building repairs	264 90	
Ceiling	507 45	
Clothing for men	11 76	
Disinfectants	3 67	
Electric work and supplies	203 92	
Engines, boilers and repairs	660 92	
Expressage	27 83	
Fire Extinguishers, supplies.....	88	
Fuel	9,248 33	
Gauge charts and glasses.....	4 90	
Hardware, tools, etc.	347 51	
Ice	39 09	
Inspection of boilers	10 00	
Map	8 22	
Oil, waste, packing, etc.	898 44	
Pipe, fittings, etc.	65 85	
Pump	73 50	
Screens for house	55 00	
Stationery and printing	2 30	
Telephone	79 37	
		\$12,595 21
Salaries, labor, etc.		12,402 87
		<hr/>
		\$24,998 08
Coal Shed (75 per cent).....		7,542 25
		<hr/>
		\$32,540 33

FORTY-INCH STEEL MAIN

There have been two leaks on this main during this year.

In order to lay the supply for the Hittinger's estate, a connection was made to this main in Payson Park Road.

PAYSON PARK RESERVOIR

This basin has given us no trouble during the year.

The fence surrounding the reservoir has been painted and the mason work of the gate house has been pointed.

Previous to the installation of the new proposed filtration plant it would seem as if both chambers of this reservoir should need a thorough investigation.

PIPE YARD.

At Auburn Street yard the roof of the dwelling-house has been shingled and the shed has received a new roof of paper and gravel.

In the stable, a new heating coil has been placed.

I would again renew my recommendation that a new fence be built between the sewer and water department yards.

At the Portland Street yard we are still in need of an equipment for handling the heavy pipe more easily.

LEAKAGE

Two hundred forty-four (244) leaks have been repaired by the department; they were discovered as follows:

- 186 on supplies in streets.
- 26 in gates.
- 22 on mainpipe.
- 7 on hydrants.
- 2 on Stony Brook Pipe Line.
- 1 on 63-inch conduit in Watertown.

The new system of monthly house-to-house inspection which was instituted by the Water Board early last year has accomplished good results in the stoppage of leakage.

The large number of leaks discovered on the premises by the inspectors have been repaired by the owners.

Three leaks were caused by electrolytic action, two in Kendall Square, one in Mt. Auburn Street.

MAIN PIPE

We have laid as renewals, during the past year, 5,954 feet of main pipe; 4,859 feet of six-inch, and 1,095 feet of eight-inch.

As extensions of main pipe, we have laid:

- 59 feet of 2-inch lead lined
- 214 1-2 feet of 4-inch cast iron
- 3251 feet of 6-inch cast iron
- 3241 feet of 8-inch cast iron
- 196 feet of 12-inch cast iron, or a total of
- 6961 1-2, a smaller amount than last year's (11,000 feet).

For the accommodation of the new heating tunnel that is to supply Harvard University, it has been necessary to offset our mains in

four locations: Linden Street, Massachusetts Avenue at Linden Street, Harvard University Yard and Divinity Avenue.

Following is the list of extensions and renewals laid during the past year:

In Bent Street, from Third Street toward Fifth Street, 201 feet of eight-inch pipe have been laid, and from Fifth Street toward Sixth Street 214 feet of six-inch pipe have been laid.

Five hundred and eighty-one feet of six-inch pipe have been laid from Newman Street, north, to reinforce the pipes in the vicinity of the "Cambridge Home."

In Charles River Road, from Stiles Street to Flagg Street, 433 feet of eight-inch pipe have been laid.

In Charles River Road, from University Road to Mt. Auburn Street, 1,001 feet of eight-inch pipe have been laid.

In Commercial Avenue, an extension of 12 feet of eight-inch has been made.

In Emily Street, from Brookline Street, 106 feet of six-inch pipe have been laid.

In Field Street, from Chilton Street to Garden Street, 227 feet of six-inch pipe have been laid.

In Fountain Terrace, from Huron Avenue, 62 feet of four-inch pipe have been laid.

In Garden Street, from Field Street, 193 feet of six-inch pipe have been laid.

In Hamilton Street, from Brookline Street to Sidney Street, 456 feet of six-inch pipe have been laid.

In Holmes Street, from Park Avenue, 162 feet of six-inch pipe have been laid.

In Holworthy Place an extension of 66 feet of four-inch pipe has been made.

From Holworthy Street a cross connection was made under railroad tracks to connect with Mt. Auburn Street; 196 feet of twelve-inch pipe were laid.

In Huron Avenue (from the forty-inch connection near Park Avenue) to Fountain Terrace, 229 feet of eight-inch pipe have been laid.

In Huron Avenue, from Cushing Street to Fountain Terrace, 582 feet of eight-inch were laid.

In Lawn Street an extension of 59 feet of two-inch pipe has been made.

In Munroe Street, from Second Street, west, 468 feet of six-inch pipe have been laid and, from Third Street to Sixth Street, 783 feet of eight-inch pipe have been laid.

In Newton Street, 297 feet of six-inch pipe have been laid from Chestnut Street to connect Putnam Avenue.

In Payson Road, for the use of Hittinger Fruit Co., 321 feet of two-inch pipe were laid as a supply. Our 40-inch main was tapped for this purpose.

In Stiles Street, 130 feet of six-inch pipe were laid to the eight-inch pipe in Charles River Road, so as to do away with another of the dead ends which are so unsatisfactory.

In Whittemore Avenue, an extension of 417 feet of six-inch pipe has been laid to Kimball Street.

In Willard Court, an extension of 86½ feet of four-inch pipe was made in order to supply a new residence in Longfellow Park.

RENEWALS

In Ash Street, from Mt. Auburn Street to Charles River Road, 401 feet of six-inch pipe have been laid in place of the four-inch which has been in use since 1867.

In Cambridge Street, on the north side, the old six-inch pipe which has been in commission since 1867, has been removed and a new six-inch main has been laid from Third Street to Lechmere Square. About 1,061 feet of this pipe were renewed.

In Charles River Road, from Mt. Auburn Street, 208 feet of eight-inch pipe replaces the old four-inch main (laid in 1876), which has been abandoned. This location was formerly known as Bath Street.

In Francis Avenue, from Kirkland Street to Bryant Street, 901 feet of six-inch pipe have been laid in place of the old four-inch. This locality has been developed during the past few years, and a larger pipe was necessary to replace the small one which was laid in 1871, etc.

In Harvard University "Yard" the six-inch main which crossed the yard has been offset at Widener Library for the accommodation of the new heating tunnel.

In Hews Street, from Western Avenue to Grigg Street, 349 feet of six-inch pipe have been laid. Some of the four-inch pipe that supplied this location was laid in the early seventies.

In Holworthy Street, from Belmont Street, 887 feet of eight-inch

pipe have been laid. It was considered imperative to lay a large main west of the Boston & Maine Railroad tracks to connect with the Mt. Auburn Street circulation.

In Hunting Street, from the Somerville Line, north, a six-inch main (124 feet long) has been laid, to replace the old six-inch pipe laid in 1871.

In Locke Street, to connect Meacham Road, 27 feet of six-inch pipe have been laid. The old four-inch has been removed.

In Meacham Road, from Massachusetts Avenue to Locke Street, 393 feet of six-inch pipe have been laid. The old four-inch pipe formerly supplying this locality was laid in 1873.

In Rice Street, from Massachusetts Avenue toward Cedar Street, the old four-inch pipe, laid in 1871, has been replaced by 496 feet of six-inch pipe.

In South Street, Somerville, 170 feet of six-inch have been laid in the south sidewalk to connect Hunting and Willow Streets and to replace the old four-inch laid in 1873.

These mains in Hunting and South Streets were laid that the water might be on for circulation and so do away with dead ends.

In Walden Street, at the bridge, the old pipe has been removed. A new siphon has been arranged to conform to the new bridge which has been constructed; 105 feet of twelve-inch pipe have been used.

In William Street, from Pearl Street to Magazine Street, and from Magazine Street to River Street, 832 feet of six-inch pipe replaces old four-inch pipe which was laid in 1867 and 1875.

**MAIN PIPE EXTENSIONS AND RENEWALS MADE DURING YEAR ENDING
MARCH 31, 1915**

	Extensions		Renewals		Gates
	Feet	Size Inches	Feet	Size Inches	Size Inch's
Ash Street, from Charles River Road to Mt. Auburn Street..			401	6	
Ash Street, at Charles River Road.....					6
Ash Street, at Mt. Auburn Street.....					6
Ash Street, hydrant	6	6			
Bent Street, from First Street, west.....	201	8			
Bent Street, at First Street, west.....					8
Bent Street, from Fifth to Sixth Street	214	6			
Bent Street, at Fifth Street, west.....					6
Bent Street, hydrant.....	8	6			
Binney Street, hydrant.....	8	6			
Bridge Street, at Water Street (hydrant).....					6
Cambridge Street, from Third Street to Leehmere Square....			1061	6	
Cambridge Street, at Third Street.....					6
Cambridge Street, at Leehmere Square.....					6
Cambridge Street, at Second Street.....					6
Cambridge Street, opposite First Street (hydrant).....			15	6	
"Cambridge Home," from Newman Street to 6 in.....	587	6			
"Cambridge Home," at Newman Street.....					6
"Cambridge Home," at 6 in.....					6
Charles River Road, from Flagg to Stiles Street.....	433	8			
Charles River Road, at Flagg Street.....					8
Charles River Road, at Mt. Auburn Street.....					8
Charles River Road, from Mt. Auburn Street.....			208	8	
Charles River Road, from University Road.....	1001	8			
Charles River Road, at University Road.....					8
Commercial Avenue, extension.....	12	8			
Creighton Street, hydrant	9	6			
Distillhouse Street, offset.....			3	6	
Emily Street, from Brookline Street.....	106	6			
Emily Street, at Brookline Street.....					6
Field Street, from Chilton to Garden Street.....	227	6			
Field Street, at Chilton Street.....					6
Fifth Street, at Gore Street (hydrant).....			2	4	
Forest Street, hydrant.....	9	6			
Fountain Terrace, from Huron Avenue.....	62	4			
Fountain Terrace, at Huron Avenue.....					4
Francis Avenue, from Kirkland to Bryant Street			901	6	
Francis Avenue, hydrant.....			7	6	
Francis Avenue, at Bryant Street.....					6
Francis Avenue, at Kirkland Street.....					6
Garden Street, from Field Street.....	193	6			
Hamilton Street, from Brookline to Sidney Street	456	6			
Hamilton Street, at Brookline Street.....					6
Hamilton Street, at Sidney Street.....					6
Harris Street, at Eustis Street.....			3	6	
Harvard University (Heat Tunnel offsets).....			45	4	
Harvard University (Heat Tunnel offsets).....			199	6	
Harvard University (Heat Tunnel offsets).....			24	8	
Hews Street, from Western Avenue to Grigg Street.....			349	6	
Hews Street, at Grigg Street.....					6
Hews Street, at Western Avenue.....					6
Hews Street, hydrant.....	7	6			
Holmes Street, from Park Avenue.....	162	6			
Holmes Street, at Park Avenue.....					6
Holworthy Place, extension.....	66	4			
Holworthy Street, from Belmont Street.....			887	8	
Holworthy Street, at Belmont Street.....					8
Holworthy Street, hydrants.....			17	6	
Holworthy Street, crossover to Mt. Auburn Street.....	196	12			
Holworthy Street on crossover.....					8

**MAIN PIPE EXTENSIONS AND RENEWALS MADE DURING YEAR ENDING
MARCH 31, 1915—Continued**

	Extensions		Renewals		Gates
	Feet	Size Inches	Feet	Size Inches	Size Inch's
Hudson Street, hydrant.....	16	6			
Hunting Street, from South Street to connect.....			124	6	
Huron Avenue, from Fountain Terrace to crossover.....	229	8			
Huron Avenue, hydrant.....	6	6			
Huron Avenue, from Cushing Street to Fountain Terrace...	582	8			
Huron Avenue, hydrant	8	6			
Huron Avenue, on connection to 40 inches.....					8
Jackson Street, at Harvey Street (hydrant).....	8	6			
Kirkland Street, at Trowbridge Street.....			3	10	10
Lancaster Street, hydrant	7	6			
Lancaster Street, at Humboldt Street.....			3	6	6
Langdon Street, hydrant.....	6	6			
Lawn Street	55	2			
Locke Street, from Meacham Road.....			27	6	
Locke Street, at Meacham Road.....					6
Lowland Avenue, corner Spring Street (hydrant).....	8	6			
Magoun Street, hydrant.....	9	6			
Maple Avenue, hydrant.....	8	6			
Maple Avenue, hydrant.....	9	6			
Martin Street, hydrant.....	9	6			
Meacham Road, hydrant.....	17	6			
Meacham Road, from Mass. Ave. to Lowell Street.....			393	6	
Mt. Auburn Street, at Holworthy Street crossover.....					4
Munroe Street, from Second Street, west.....	468	6			
Munroe Street, hydrant.....	27	6			
Munroe Street, at Second Street, west.....					6
Munroe Street, from Third Street to Sixth Street.....	783	8			
Munroe Street, at Sixth Street.....					8
Munroe Street, hydrants.....	56	6			
Newton Street, from Chestnut Street to Putnam Avenue....	297	6			
Newton Street, at Chestnut Street.....					6
Norris Street, hydrant	9	6			
Oak Circle, hydrant.....	27	6			
Oak Street, hydrant.....			9	6	
Otis Street, at Third Street hydrant.....			6½	6	
Palermo Street, hydrant.....	7	6			
Payson Park, Hittinger's supply.....	321	2			
Prentiss Street, hydrant.....	6	6			
Rice Street, from Mass. Avenue to Cedar Street.....			496	6	
South Street, from Hunting to Willow Streets.....			179	6	
Stiles Street, from Charles River Road.....	130	6			
Stiles Street, at Charles River Road.....					6
Walden Street, bridge.....			105	12	
Wendell Street, hydrant.....	12	6			
Willard Court, extension.....	86½	4			
William Street, from Pearl to Magazine Street.....			448	6	
William Street, from Magazine to River Streets.....			384	6	
William Street, hydrant.....	12	6			
Whittemore Avenue, extension.....	417	6			

SUPPLIES

The total number of new supplies laid during the year was one hundred fifty-four (154) making the total number of new supplies laid to date sixteen thousand five hundred forty-nine (16,549).

These numbers do not include the two-inch lead lined supply laid this year to supply Hittinger's at Payson Park.

Five hundred eighty-six supplies were renewed.

Seven hundred twenty-seven supplies were cleaned and the necessity of renewing postponed thereby for several years.

The number of supplies cleaned during the past four years is as follows :

Year ending	March 31, 1912.....	159
"	" March 31, 1913.....	278
"	" March 31, 1914.....	471
"	" March 31, 1915.....	727
		<hr/> 1,635

These supplies were in good condition, excepting for the usual corrosion which affects the galvanized service pipe.

Seven (7) supplies of the foregoing number were laid of cast iron pipe ; they are located as follows :

- *6-inch for C. A. Briggs Co., Main Street
- 4-inch, for The City Realty Trust, Ash Street
- *6-inch for Hingham Knitting Co., Banks Street
- 6-inch for Harvard University, "Seaver Hall"
- *6-inch for Murray & Emery, Wadsworth Street
- *6-inch for Squirrel Brand Co., Boardman Street
- *6-inch for Wheelock, Lovejoy & Co., 167 Sidney Street
- The supply for "Gore Hall," Harvard University, reduced to 2 1-2-inch, has been extended 21 feet.

*Equipped with "Detector" meter when laid.

Following is the list of manufactories, etc., which are supplied with pipes for fire protection. They are not metered, excepting where specified, but will be as soon as the work can be done.

Alberti Box Co.....	Osborn Street	6-in.
Allen & Endicott Building Co.....	Osborn Street	6-in.
American Rubber Co.....	Binney Street	6-in.
American Rubber Co.....	Potter Street	6-in.
American Circular Loom Co.....	Clarendon Avenue	6-in.
American Circular Loom Co.....	Tannery Street (metered).....	2-in.
American Linseed Co.....	Fifth Street	6-in.

American Net & Twine Co.....	Third Street	6-in.
American Net & Twine Co.....	Second Street	6-in.
Ashton Valve Co.....	First Street	6-in.
Associated Trust	888 Mass. Avenue.....	2-in.
Barber Asphalt Paving Co.....	First Street	6-in.
Bell Confectionery Co., J. S.....	Sixth Street	6-in.
Blacker & Shepard Co.....	Osborn Street (metered).....	1½-in.
Blake & Knowles Steam Pump Works.	Binney Street	8-in.
Blake & Knowles Steam Pump Works.	Binney Street	6-in.
Blake & Knowles Steam Pump Works.	Third Street	4-in.
Blanchard Machine Co.....	State Street	6-in.
Boston Book Binding Co.....	Mt. Auburn Street.....	6-in.
Boston Book Binding Co.....	Mt. Auburn Street (metered)...	4-in.
Boston Confectionery Co.....	Main Street	6-in.
Boston Confectionery Co.....	State Street	6-in.
Boston Elevated Railway Co.....	Bennett Street	4-in.
Boston Elevated Railway Co.....	Baldwin Street	4-in.
Boston Elevated Railway Co.....	Massachusetts Avenue.....	4-in.
Boston Elevated Railway Co.....	Mt. Auburn Street.....	4-in.
Boston Elevated Railway Co.....	Mt. Auburn Street.....	2-in.
Boston Elevated Railway Co.....	Murray Street	4-in.
Boston Elevated Railway Co.....	Murray Street	6-in.
Boston Elevated Railway Co.....	River Street	4-in.
Boston Elevated Railway Co.....	University Road	8-in.
Boston & Maine Railroad.....	Bridge Street	6-in.
Boston & Maine Railroad.....	East Street	6-in.
Boston & Maine Railroad.....	In Yard—Four Cambridge hydrants for Cambridge engines.	
Burke, Thomas F.....	881 Mass. Avenue (metered)...	2-in.
Cambridge Electric Light Co.....	Western Avenue	6-in.
Cambridge Factory Trust Co.....	Windsor Street, cor. Mass. Ave..	6-in.
Cambridge Gas Light Co.....	Third Street	6-in.
Cambridge Gas Light Co.....	Second Street	6-in.
Cambridge Mutual Fire Insurance Co.	Massachusetts Ave. (metered)...	2-in.
Carter Ink Co.....	First Street (metered).....	4-in.
Carter Ink Co.....	Athenaeum Street	6-in.
Climax Paper Box Co.....	Cottage Park Avenue.....	4-in.
Close Co., George.....	Broadway	6-in.
Columbia Jewelry Co.....	Camp Street	6-in.
Commonwealth Custom Laundry.....	348 Franklin Street (metered).	4-in.
Davenport, A. H.....	Cambridge Street	6-in.
Davenport, A. H.....	Otis Street	6-in.
Dodge Motor Vehicle Co.....	Landsdowne Street	6-in.
Dover Stamping & Manufacturing Co.	Pleasant Street	6-in.
Dow, John C. Co.....	220 Portland Street (metered)...	2-in.
E. & R. Laundry Co.....	Massachusetts Avenue	6-in.
Elliot Addressing Machine Co.....	Ames Street	6-in.
Eustis, J. P., Manufacturing Co.....	Ames Street	6-in.
Furbish, Fred B.....	41 Church Street.....	4-in.
Ginn & Co.....	First Street	6-in.
Ginn & Co.....	Athenaeum Street	Two 6-in.
Goepper Brothers	Ninth Street (metered).....	1½-in.
Gray, Peter & Sons.....	Third Street	6-in.
Harvard University	Austin Hall	6-in.
Harvard University	Harvard Union	4-in.
Harvard University	Jefferson Physical Laboratory..	6-in.
Harvard University	Langdell Hall	4-in.
Harvard University	Memorial Hall (metered).Two	4-in.

Harvard University	Observatory	6-in.
Harvard University	Semitic Museum	4-in.
Hasty Pudding Club.....	Holyoke Street	4-in.
Hews Co., A. H.....	Crescent Avenue	Two 4-in.
Holy Ghost Hospital for Incurables...	Cambridge Street	3-in.
Houghton, Mifflin Co.....	River Street	6-in.
Irving & Casson.....	Otis Street	6-in.
Irving & Casson.....	Thorndike Street	Two 6-in.
Irving & Casson.....	Thorndike Street (metered)....	2-in.
Ivers & Pond Piano Co.....	Albany Street	4-in.
Ivers & Pond Piano Co.....	Main Street	6-in.
Kendall & Sons, Edward.....	Main Street (metered).....	2-in.
Ladd & Barker.....	Landsdowne Street	6-in.
Lamb & Ritchie.....	Albany Street	6-in.
Lever Brothers, Ltd.—Boston Works..	Harvard Street	8-in.
Lever Brothers, Ltd.—Boston Works..	Broadway	6-in.
Lever Brothers, Ltd.—Boston Works..	Broadway	8-in.
Little, Brown & Co.....	Putnam Avenue	6-in.
Luke, E. H., Estate of.....	Main Street (metered).....	2-in.
Main Street Trust.....	Amherst Street	6-in.
Main Street Trust.....	Amherst Street	6-in.
Masonic Temple	Massachusetts Avenue	4-in.
Mason & Hamlin Co.....	Broadway	Two 6-in.
McLean, Isaac	Mt. Auburn Street (metered)....	4-in.
McLean, Isaac	"Brendon Hall," Mass. Ave....	4-in.
Metropolitan Storage Warehouse Co..	Massachusetts Avenue	6-in.
Middlesex Co., House of Correction...	Second and Spring Streets....	6-in.
Monk's Laundry	Norfolk Street	6-in.
National Biscuit Co.....	Franklin Street	4-in.
National Biscuit Co.....	Franklin Street	6-in.
National Biscuit Co.....	Green Street	8-in.
National Casket Co.....	First Street	6-in.
Nichols, Annie W. H.....	Ames Street	6-in.
North Packing & Provision Co.....	Windsor Street	6-in.
O'Brien, Rev. John.....	Seventh Street	4-in.
Page Box Co., George G.....	Hampshire Street	Two 6-in.
Payne, F. S. & Co.....	Richdale Avenue	6-in.
Peabody, Francis, Jr., et al.....	Claverly Hall	4-in.
Petterson, Oscar G.....	183 Main Street	4-in.
Pierce, Trustees of the Est. of Thos..	Broadway	6-in.
Pi Eta Club.....	Winthrop Square	2-in.
Poole Piano Co.....	Sidney Street	8-in.
Porter, Henry S.....	Kinnaird Street (metered)....	4-in.
Porter, Henry S.....	Kinnaird Street	6-in.
Reardon & Sons Corporation, John...	Waverly Street (metered)....	4-in.
Revere Sugar Refinery.....	Water Street	6-in.
Reversible Collar Co.....	Putnam Avenue	6-in.
Riverside Boiler Works.....	Harvard Street	4-in.
Ross, William F., Co.....	201 Bridge Street.....	6-in.
Russell, Estate of Joseph G.....	Albany and Pacific Streets....	6-in.
Russell, Lucy J.....	29 Elm Street (metered).....	1½-in.
Sawyer & Son, Howard M.....	Thorndike Street	4-in.
Sawyer & Son, Howard M.....	Spring Street	6-in.
Sawyer & Son, Howard M.....	Second Street	6-in.
Seelye Manufacturing Co.....	First Street	4-in.
Sherburne, Estate of Reuben.....	Third Street	6-in.
Simplex Electrical Co.....	Auburn Street	8-in.
Simplex Electrical Co.....	Franklin Street	6-in.

Simplex Electrical Co.....	Pilgrim Street	4-in.
Speare's Sons & Co., Alden.....	Binney Street	4-in.
Squire, J. P. Co.....	Gore Street	8-in.
Standard Oil Co.....	Potter Street	6-in.
Standard Turning Works.....	Main Street	4-in.
Swan, Daniel A.....	61 Broadway (metered).....	2-in.
Thairwell, William	Tudor Street	4-in.
Thayer & Co., Henry.....	Broadway	6-in.
Thompson Box Co.....	Hampshire Street	6-in.
Thompson Box Co.....	Hampshire Street	4-in.
Thorndike School	Spring Street	4-in.
Tower & Son, Sylvester.....	Broadway	4-in.
University Associates	Bow Street, Garage.....	6-in.
University Associates	Linden Street	4-in.
University Associates	Massachusetts Avenue	6-in.
University Associates	Massachusetts Avenue	4-in.
Ward, Corby Co.....	Albany Street	4-in.
Warren Brothers & Co.....	Potter Street	6-in.
Whittemore Brothers & Co.....	Albany Street	4-in.
Youngman, William S.....	Amherst Street	6-in.

SUPPLIES LAID DURING PAST THIRTEEN YEARS.

YEAR	New Supplies	SUPPLIES RENEWED			Total Supplies Laid	Supplies fur- nished with sidewalk ser- vice boxes
		Application and Leakage	Attending Main Pipe Renewal	Total Supplies Renewed		
1902.....	161	110	167	277	438	51
1903.....	123	174	163	337	460	42
1904.....	111	190	87	277	388	39
1905.....	130	176	117	293	423	177
1906.....	129	230	15	245	374	113
1907.....	135	197	18	215	350	19
*1908.....	110	267	24	291	401	116
†1909.....	29	28	....	28	57	12
‡1910.....	156	332	56	388	544	144
1911.....	184	352	79	431	615	131
1912.....	229	403	37	440	669	202
1913.....	289	485	56	541	830	55
1914.....	201	663	29	692	893	81
1915.....	154	437	149	586	740	83

* For year ending November 30, 1908.
† For four months ending March 31, 1909.
‡ For year ending March 31.

ICE WATER DRINKING FOUNTAINS.

The Cost of Furnishing Fountains with Ice during the Summer Months for the Past Eleven Years.

Year	LOCA TION							COST	
	Cambridge Field	Cambridge Street at Third Street	Central Square	Harvard Square	Mass. Ave. at Blake St.	Mass. Ave. at Cameron St.	Rindge Field	Total Cost per Year	Average Cost per Day per Fountain
1904.....	.....	\$145.50	\$112.50	\$105.60	\$96.75	.....	.....	\$460.35	\$1.20
1905.....	.....	125.55	129.90	103.43	155.30	.....	.....	514.18	.94
*1906.....	.....	180.95	175.35	166.69	157.25	\$115.40	.....	795.64	1.57
1907.....	\$102.37	110.50	127.13	110.50	102.74	102.25	.....	655.49	1.09
1908.....	89.49	127.00	134.38	127.87	111.50	115.75	.....	705.99	1.04
1909.....	121.05	185.68	124.50	122.70	141.60	127.95	.....	823.48	1.15
1910.....	134.10	149.70	.....	134.55	140.25	154.05	.....	712.65	1.24
1911.....	123.60	167.65	.....	127.20	146.70	169.05	.....	734.20	1.34
1912.....	120.30	134.85	108.15	120.75	139.95	165.00	\$129.75	918.75	1.25
§1913.....	135.82	174.19	175.22	138.02	119.22	116.33	112.01	970.81	.97
1914.....	113.77	149.57	152.88	113.78	64.82	74.45	78.41	747.68	.78

* Prices in 1906 were twenty-five (25) cents and forty (40) cents per one hundred pounds; in other years, twelve and one-half (12½) cents and fifteen (15) cents per one hundred pounds.
§ Again, in 1913, the price of ice was twenty-five (25) cents per one hundred pounds.

FOUNTAINS

Last season, at the request of the Commissioner of the Board of Animal Industry, we equipped our horse fountains with faucets, from which, in order to water their horses, the drivers of teams were obliged to draw the water into pails that they carried in their wagons. This was done to prevent the spreading of "glanders," which has become so prevalent in this locality. This precaution has helped to decrease the cases, and until this terrible disease is suppressed, we intend to co-operate with the Board of Animal Industry in its effort to stamp it out.

During 1914 the expense for ice for our ice water drinking fountains has been less per day than in any year since they were placed in commission.

This was due to the short, cool season.

We have placed a new fountain in Mt. Auburn Street, opposite Coolidge Avenue, and one in Wyeth Square this year.

The following fountains are equipped with the faucets as previously stated:

Brattle Square.
Broadway at Norfolk Street.
Craigie Square.
Kelley Square.
Kendall Square.
Massachusetts Avenue at Porter Square.
Massachusetts Avenue at Washburne Avenue.
Mt. Auburn Street opposite Coolidge Avenue.
Norton Square.
Putnam Square.
Wyeth Square..

The following drinking fountains are in use:

Fresh Pond Driveway (2).
McNamee Square.
Charles River Road at Riverbank Court.
Western Avenue.

which, together with the ice water drinking fountains, give us a total of twenty-three (23) in use.

STREET WATERING STANDPIPES

No additions have been made to the number of street watering standpipes. The usual repairs to place them in condition for use for the season have been made, and the cost has been charged to the Street Department.

GATES

During the year forty-seven (47) gates have been set.

Thirty-seven (37) gates have been set on extensions of main pipe and renewals.

Seven (7) gates have been set on new supplies.

Three (3) gates have been set to replace ones removed.

BOXES

One hundred twenty-one (121) boxes have been placed on gates, meters, etc., during the year.

Twenty-three (23) iron boxes on new supplies.

Thirty-nine (39) iron boxes on main pipes.

Forty-three (43) iron boxes to replace old ones that have been removed.

- Two (2) small wooden boxes.
- Three (3) wooden boxes with meters.
- Six (6) concrete boxes with meters.
- Five (5) brick chambers with meters.

HYDRANTS

Forty-seven hydrants have been set this year:

Chapman	2
Coffin	1
Kennedy	44
	<hr/>
	47

Eighteen hydrants have been removed:

Chapman	3
Coffin	1
Boston	4
Flush	10
	<hr/>
	18

The total number in use at date (March 31, 1915) is: ,, ,,

Boston	144
Chapman	598
Coffin	41
Corey	33
Flush	9
Holyoke	165
Kennedy	76
Perkins	90
	<hr/>
	1,156

Outside of the usual and ordinary repairs of hydrants, four hydrants have been repaired or removed because of having been broken by wagons or automobiles.

The work equipping all hydrants that they may have uniform nozzles has been finished. The change complies with the request of the Water Board for making our hydrants conform to the usual hydrant nozzles as installed by adjoining towns and cities and adopted by fire departments and board of underwriters.

HYDRANTS

Removal and Installation of Hydrants During Year Ending March 31, 1915

	Set	Removed
Ash Street, west side, 82 feet from Mt. Auburn Street.....	Kennedy	.....
Athens Street, southeast corner Mt. Auburn Street.....	Kennedy	Boston
Bent Street, north side, 61 feet from Third Street.....	Kennedy	.....
Binney Street, north side, 228 feet from Portland Street.....	Kennedy	.....
Binney Street, 6 feet west from Third Street.....	Kennedy	Chapman
Bridge Street, north side, 1 foot west from Water Street.....	Kennedy	Boston
Cambridge Street, opposite First Street.....	Kennedy	Flush
Cambridge Street, between Fourth and Fifth Streets.....	.....	Flush
Cambridge Street, at Sixth Street.....	Kennedy	Flush
Cambridge Street, 194 feet west from Sixth Street.....	Kennedy	.....
Charles River Road, 120 feet east from Ash Street.....	Kennedy	.....
Charles River Road, 35 feet from Stiles Street.....	Kennedy	.....
Charles River Road, 268 feet from University Road.....	Kennedy	.....
Chester Street, corner of Massachusetts Avenue.....	Kennedy	Chapman
Creighton Street, west side, 83 feet from Massachusetts Avenue.	Kennedy	.....
Forest Street, 10 feet from Massachusetts Avenue.....	Kennedy	Flush
Fifth Street, at Gore Street.....	.....	Flush
First Street, at Bridge Street.....	Kennedy	.....
Gore Street, 8 feet from Fourth Street.....	Chapman	Flush
Harvard Street, at Prospect Street.....	Kennedy	Boston
Hews Street, 140 feet from Western Avenue.....	Kennedy	.....
Hudson Street, west side, 12 feet from Massachusetts Avenue.	Kennedy	.....
Huron Avenue, south side, 371 feet west from Park Avenue...	Coffin	.....
Huron Ave. between Aberdeen Ave. and Fresh Pond Parkway.	Kennedy	.....
Jackson Street, 27 feet from Harvey Street.....	Kennedy	.....
Lancaster Street, east side, 16 feet from Massachusetts Avenue.	Kennedy	.....
Langdon Street, north side, 31 feet from Massachusetts Avenue.	Kennedy	.....
Lowland Avenue, 8 feet from Spring Street.....	Kennedy	.....
Magoun Street, west side, 213 feet from Massachusetts Avenue.	Kennedy	.....
Maple Avenue, east side, 104 feet from Broadway.....	Kennedy	.....
Maple Avenue, east side, 266 feet from Cambridge Street.....	Kennedy	.....
Martin Street, west side, 9 feet from Massachusetts Avenue.....	Kennedy	.....
Meacham Road, south side, 9 feet from Massachusetts Avenue.	Kennedy	.....
Munroe Street, 68 feet east from Fifth Street.....	Kennedy	.....
Munroe Street, north side, 341 feet west from Second Street...	Kennedy	.....
Munroe Street, 163 feet east from Sixth Street.....	Kennedy	.....
Myrtle Avenue, 234 feet from Kirkland Street.....	Kennedy	Chapman
Newton Street, west side, 14 feet from Chestnut Street.....	Kennedy	.....
Norris Street, east side, 5 feet from Massachusetts Avenue.....	Kennedy	.....
Oak Circle, north side, 4 feet east from Oak Street.....	Kennedy	.....
Oak Street, west side, 266 feet from Cambridge Street.....	Kennedy	Flush
Otis Street, 10 feet east from Third Street.....	Kennedy	Flush
Palermo Street, north side, 9 feet from Windsor Street.....	Kennedy	.....
Prentiss Street, west side, 7 feet from Massachusetts Avenue..	Kennedy	.....
Putnam Avenue, opposite No. 334, 408 feet from River Street...	Chapman	Coffin
Sixth Street, corner of Charles Street.....	Kennedy	Boston
Spring Street, corner of Second Street.....	.....	Flush
Webster Avenue.....	.....	Flush
Wendell Street, west side, 15 feet from Massachusetts Avenue.	Kennedy	.....
Whittemore Avenue, 40 feet from Harrison Avenue.....	Kennedy	.....
William Street, north side, 191 feet from Magazine Street (southeast)	Kennedy	.....

METERS

During the past year there were two hundred sixty-five (265) meters set on supplies covering dwellings, manufactories, etc.

The number now in use from which the city receives income, and not including the Hersey Detector meters, is five thousand four hundred ninety-five (5,495).

Total number in use March 31, 1915.....	5,495
Total number "Hersey Detectors" in use March 31, 1915.....	29
Total number on city buildings in use March 31, 1915.....	61
	5,585

The Water Department receives no income from meters covering public buildings, they having been set to ascertain the amount of water furnished for city purposes.

Meters from which the Department receives income and which, with the exception of "Hersey Detector" meters, are owned by the Department.

	8 Inch	6 Inch	4 Inch	3 Inch	2 Inch	1 1-2 Inch	1 1-4 Inch	1 Inch	3-4 Inch	5-8 Inch	Total
Buffalo									2		2
Crest			3	6	10	8					27
Crown			1		3	2		1	11	4	22
Empire								2			2
Hersey		1		4	36	17		112	273	685	1128
Hersey Detectors	1	22	6								29
Keystone								33	118	347	498
Lambert								4	22	105	131
Nash									12	2	14
Thomson									4	1	6
Torrent					13						13
Trident				3	7	9		104	240	457	820
Union Rotary			9	6	14	6			11	4	50
Watch Dog									1	1	2
Worthington		1	3	11	53	59	50	134	535	1934	2780
	1	24	22	30	136	102	50	390	1229	3540	5524

Meters on Public Buildings, Schools, etc.

	6 Inch	4 Inch	3 Inch	2 Inch	1 1-2 Inch	1 1-4 Inch	1 Inch	3-4 Inch	5-8 Inch	Total
Crown				1	1		2	1	1	6
Hersey							8	4		12
Keystone							1			1
Thomson					1					1
Torrent				2						2
Trident							2	6	4	12
Union Rotary				1						1
Worthington		1	1	3	6	1	4	5	4	26
	1	1	1	7	8	1	17	16	9	61

Meters set during the year ending March 31, 1915.

	6 Inch	4 Inch	3 Inch	2 Inch	1 1-2 Inch	1 1-4 Inch	1 Inch	3-4 Inch	5-8 Inch	Total Total
Hersey Detectors	4	2								6
Hersey				2			3	9	4	18
Lambert								1		1
Nash									1	1
Trident							3	5	15	23
Worthington		2	2	7	7	2	12	43	141	216
	4	4	2	9	7	2	18	58	161	265

DETECTOR METERS

During the year we have placed six (6) meters on fire supplies, i. e., five (5) on new supplies and one (1) on an old supply.

The total number of supplies now equipped is twenty-nine (29), located as follows:

Allen & Endicott Building Company, Main Street.....6 inch on new supply
 Allen & Endicott Building Company, Osborn Street..6 inch on new supply
 Berkshire Factory Trust, Ames Street.....6 inch on old supply
 Briggs, C. A., Main Street.....6 inch on new supply
 Browning K. Baker, Osborn Street (premises).....6 inch on new supply
 Boston Woven Hose & Rubber Co., Hampshire Street..6 inch on old supply
 Boston Woven Hose & Rubber Co., Portland Street....6 inch on old supply
 Cambridge Paper Box Company, Broadway.....6 inch on old supply
 Car Factory Trust, Amherst Street (premises).....6 inch on new supply
 Davis, F. H., 175 Richdale Avenue.....6 inch on new supply
 Dyar Supply Company, Broadway.....4 inch on new supply
 Ford Motor Company, Brookline Street (premises)....6 inch on new supply
 Gray & Davis, Inc., Amesbury Street (premises).....8 inch on new supply
 Hathaway, C. F. & Sons, Richdale Avenue.....4 inch on new supply
 Hathaway, C. F. & Sons, Richdale Avenue.....4 inch on old supply
 Harvard University, Divinity Avenue (premises).....6 inch on new supply
 Harvard University, Oxford Street (premises).....6 inch on new supply
 Hingham Knit Goods Company, Banks St. (premises).4 inch on new supply
 Houghton, H. O. (Riverside Press), Blackstone Street..6 inch on old supply
 Murray & Emery, Wadsworth Street.....6 inch on new supply
 Riverside Boiler Works, 493 Main Street (premises)..6 inch on new supply
 Russell & Company, Norfolk Street.....6 inch on new supply
 Squirrel Brand Company, Boardman Street4 inch on new supply
 Standard Oil Company, Sixth Street.....4 inch on old supply
 Sterling Knit Goods Company, Stiles Street.....6 inch on old supply
 University Press, Nutting Place.....6 inch on old supply
 University Press, University Road.....6 inch on new supply
 Ward-Corby Company, Albany Street.....6 inch on old supply
 Wheelock, Lovejoy & Co., Sidney Street6 inch on new supply

Ten (10) of these meters were set on new supplies when laid, and nineteen (19) were set on old supplies.

The ages of the fire supplies have been listed, and eventually all fire supplies will be covered by detector meters, beginning with the oldest supplies which have had the benefit of free fire protection for so many years.

TUNNELS UNDER BROAD CANAL

- No trouble has been caused by these tunnels during this year.

A thorough investigation and a pumping out, if necessary, will be given to them at an early date.

STONY BROOK CONDUIT

There have been three (3) leaks in this conduit during the year, two (2) were in the thirty-inch iron pipe at "Bleachery" in Waltham, one (1) was in the sixty-three-inch cement conduit at Watertown.

The right of way for this pipe line still remains unfenced.

Would it not be advisable to care for this during the coming year as recommended in the former annual reports?

HOBBS AND STONY BROOK RESERVOIRS

The lowest elevation reached by the water in the upper, or Lincoln Street, basin was, on October 1, 1914, 180.40.

The lowest elevation reached by the water in the lower, or Winter Street, basin was on January 7, 1915, 171.60, or 9.40 feet below crest.

March 31, 1915, the elevation of the water in this basin is 176.75, or 4.25 feet below crest.

At the beginning of the year the gate was closed at the Winter Street Reservoir, and so remained until July 3, 1914, when it was opened for fourteen days, when the water was at elevation 181. It was again opened on July 22, 1914, when the elevation of the water in Stony Brook Reservoir was lowered to 71.82, or 9.18 below crest, closed December 15, 1914, and opened and closed at various intervals until January 7, 1915, when it was finally closed, and from that date until now all the water drawn into Fresh Pond Reservoir was from the Stony Brook Reservoir.

One vault has been built this year on the Viles Estate.

To date, March 31, 1915, we have constructed thirty-five (35) cesspools and nineteen (19) vaults.

The keeper's house at Stony Brook has been shingled and some necessary repairs have been made.

Last year, under the direction of the State Forester, we cut down the moth-infected trees in this reservation and planted white pine in about one-quarter of the area around the basins.

This year we continued our work of removing the trees, as advised by the State Foresters, having a two-fold object in doing so: first, the absolute necessity of removing the moths from the reservation, and second, the additional necessity of helping, during this very hard winter, so many of the unemployed.

We gave employment to about one hundred men during ten days.

We have had the great disappointment of losing by fire a great many of our young white pine trees which we planted last year.

As recommended by my predecessor, Mr. Brooks, in his last report, the mason work of the gate house at Stony Brook Reservation has been pointed, and the outsides of the buildings (dwelling-house, etc.), at Hobbs Brook Reservation have been painted.

The standing grass was sold at auction, as usual, for \$354.25, or at an increase of \$95 over last year's receipts.

STONY BROOK OVERFLOW

	Gallons	Number of Days	Rainfall
1914			
April	1,524,200,000	30	5.37
May	1,086,200,000	31	2.69
June .....	.....	.....	1.79
July .....	.....	.....	2.50
August .....	.....	.....	4.92
September .....	.....	.....	.17
October .....	.....	.....	1.69
November .....	.....	.....	2.50
December .....	.....	.....	3.41
1915			
January	253,900,000	12	6.17
February	490,300,000	24	3.23
March	122,600,000	14	.....
Total amount	3,477,200,000		
Number of days in which water wasted		111	
Total rainfall			34.44

STONY BROOK OVERFLOW, ETC., FOR THE PAST TWENTY-SEVEN
(27) YEARS

	Gallons	No. of Days	Rainfall
1888	6,000,000,000	.....	.....
1889	8,000,000,000	.....	.....
1890	8,700,000,000	.....	.....
1891	8,247,800,000	.....	45.25
1892	3,688,900,000	.....	39.82
1893	4,427,400,000	.....	39.50
1894	2,853,000,000	.....	35.79
1895	5,281,900,000	224	50.52
1896	5,704,700,000	224	50.52
1897	3,999,700,000	256	43.35
1898	5,704,600,000	260	54.03
1899	6,969,500,000	175	43.96
1900	4,447,100,000	145	51.34
1901	6,141,300,000	157	46.77
1902	6,539,100,000	182	44.58
1903	6,437,500,000	222	45.97
1904	5,726,399,000	171	41.18
1905	3,148,900,000	140	38.40
1906	3,510,700,000	170	39.16
1907	2,415,900,000	147	42.32
*1908	3,384,300,000	184 }	48.23
†1909	960,800,000	50 }	
‡1910	2,531,500,000	137	37.83
‡1911	57,200,000	22	31.78
‡1912	1,395,200,000	69	42.63
‡1913	2,571,200,000	132	41.22
‡1914	3,022,800,000	99	42.13
‡1915	3,477,200,000	111	34.44

*Previous to 1908—Fiscal year ended November 30.
†Overflow from December 1, 1908, to March 31, 1909.
‡Fiscal year ended March 31.

HOBBS BROOK									
STONY BROOK					STONY BROOK				
Lincoln Street, Basin No. 1				Winter Street, Basin No. 2		Elevation of Crest—81			
Lowest Elevation During Month		Highest Elevation During Month		Remarks		Lowest Elevation During Month		Highest Elevation During Month	
Month-ly Rainfall		Month-ly Rainfall				Month-ly Rainfall		Month-ly Rainfall	
Inches		Inches				Inches		Inches	
1914		1914				1914		1914	
April 1.....	181.60	.....	181.55	April 26.....	.....	81.46	.....	82.04	.....
April 26.....	.....	.....	181.40	April 28.....	.....	.....	.....	81.84	.....
May 18.....	181.55	.....	181.50	May 18.....	.....	.....	.....	.....	.....
May 31.....	.....	.....	181.15	May 31.....	.....	81.04	.....	.....	.....
June 1.....	181.20	.....	181.15	June 1.....	.....	.....	.....	80.96	.....
June 30.....	.....	.....	.....	June 30.....	.....	72.58	.....	.....	.....
July 8.....	180.95	.....	181.00	July 3.....	.....	71.82	.....	.....	.....
July 31.....	.....	.....	.....	July 31.....	.....	.....	.....	74.92	.....
Aug. 4.....	.....	.....	179.45	Aug. 1.....	.....	.....	.....	74.98	.....
Aug. 24.....	180.55	.....	178.30	Aug. 31.....	.....	74.16	.....	.....	.....
Sept. 1.....	180.50	.....	.....	Sept. 1.....	.....	74.00	.....	75.12	.....
Sept. 30.....	.....	.....	176.26	Sept. 30.....	.....	.....	.....	75.46	.....
Oct. 1.....	.....	.....	176.15	Oct. 1.....	.....	74.25	.....	75.40	.....
Oct. 20.....	180.50	.....	.....	Oct. 31.....	.....	.....	.....	.....	.....
Oct. 31.....	.....	.....	173.70	Nov. 1.....	.....	.....	.....	.....	.....
Nov. 1.....	180.45	.....	172.15	Nov. 30.....	.....	74.12	.....	.....	.....
Nov. 22.....	.....	.....	171.70	Dec. 1.....	.....	74.33	.....	.....	.....
Dec. 1.....	180.45	.....	.....	Dec. 15.....	.....	.....	.....	76.90	.....
Dec. 31.....	180.50	.....	.....	Dec. 28.....	.....	.....	.....	.....	.....
1915		1915				1915		1915	
Jan. 1.....	180.50	.....	.....	Jan. 7.....	.....	73.48	.....	.....	.....
Jan. 19.....	.....	.....	171.60	Jan. 19.....	.....	.....	.....	81.94	.....
Jan. 31.....	.....	.....	.....	Feb. 1.....	.....	80.77	.....	.....	.....
Feb. 13.....	180.50	.....	173.90	Feb. 16.....	.....	.....	.....	82.12	.....
Feb. 17.....	.....	.....	.....	Mar. 1.....	.....	79.04	.....	81.46	.....
Mar. 1.....	.....	.....	176.25	Mar. 31.....	.....	.....	.....	.....	.....
Mar. 31.....	180.50	.....	176.75	.....	.....	.....	.....	.....	.....
33.02		33.02				34.44		34.44	

MAIN PIPE LAID, ETC., DURING YEAR

	12 Inch	10 Inch	8 Inch	6 Inch	4 Inch	2 Inch	Total
Length, in feet, of pipe (extensions)	196	.....	3241	3251	214½	59	6961½
Length, in feet, of pipe (new hydrants)	312	.....	.....	312
Length, in feet, of pipe (renewals)	1095	4859	.....	.....	5954
Length, in feet, of pipe (renewal of hydrants)	56½	.....	.....	56½
Length, in feet, of pipe, offsetting (tunnels)	24	202	45	.....	271
Length, in feet, of pipe (gates)	3	.....	6	.....	.....	9
Total length, in feet, of pipe	196	3	4260	8686½	259½	59	13564
Number of gates	1	8	26	2	.....	37
Number of hydrants	47
Number of gate boxes	30
Number of small wooden boxes	2
Number of wooden boxes with meters	3
Number of concrete boxes with meters	6
Number of brick boxes with meters	2

NEW SUPPLIES LAID DURING YEAR

	6 Inch	4 Inch	2½ Inch	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	Total
Length, in feet, of cast-iron pipe.....	545	17	.....	.....	.....	.....	.....	.....	562
Length, in feet, of lead-lined iron pipe.....	.....	.....	.....	321 490	222½	418½	2275	2578	321* 5984
Length, in feet, of galvanized-iron pipe.....	.....	6½	21	.....	.....	.....	.....	.....	27½ 321
Total length, in feet.....	545	23½	21	490	222½	418½	2275	2578	6573½
Number of supplies, cast-iron	5	2	.....	.....	.....	.....	.....	.....	7
Number of supplies, lead lined.....	.....	.....	.....	13	6	10	50	68	147
Total number of supplies.....	5	2	.....	13	6	10	50	68	154
Number of stop and waste valves.....	.....	.....	.....	13	7	9	49	68	146
Number of screw cocks.....	.....	.....	.....	.....	4	24	50	70	148
Number of sidewalk cocks.....	.....	.....	.....	.....	.....	10	54	65	129
Number of service boxes.....	.....	.....	.....	.....	.....	.....	.....	.....	123
Number of gates.....	5	2	.....	.....	.....	.....	.....	.....	7
Number of gate boxes (iron) in large supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	7
Number of gate boxes (iron) in small supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	16

*Hittinger's supply—Payson Park.

SUPPLIES, ETC., RENEWED DURING YEAR

	4 Inch	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	Total
Length, in feet, of galvanized pipe.....		45				7½	52½
Length, in feet, of lead-lined pipe.....		174	131	717	2679	14051	17752
Total length, in feet.....		219	131	717	2679	14058½	17804½
Number of supplies renewed, lead-lined.....		8	5	24	84	465	586
Number of screw cocks.....		3	2	10	27	65	107
Number of sidewalk cocks.....				8	31	71	110
Number of valves.....	1	6	4	12	40	168	231
Number of service boxes.....							83
Number of gate boxes.....							43
Number of small wooden boxes.....							2

2 in. galvanized pipe used in street watering standpipes.

COMPARATIVE TRENCHING FOR THE PAST TEN YEARS

	MAIN PIPE				SUPPLIES		TOTAL	
	Exten- sion	Re- newals	Subway Changes		New	Re- newal	Feet	Miles
			New	Re- newals				
1906.....	7,443	1,357			4,835	8,716	22,351	4.23
1907.....	4,377	1,964			5,433	6,461	18,235	3.45
1908.....	2,877	918			5,730	8,361	17,886	3.33
1909.....	3,068½	918			6,674½	9,312½	19,973½	3.80
1910.....	5,361½	2,952	777	6,071	6,090	11,548	32,799½	6.21
1911.....	4,092	519	2,616	4,060	6,541½	13,032	30,860½	5.84
1912.....	5,813	2,424	2,033	3,995	9,476	13,403	37,144	7.03
1913.....	16,459	6,284	50	355	11,988½	16,325	51,461½	9.74
1914.....	11,000	4,154			8,175½	19,882½	43,212	8.13
1915.....	7,273½	6,290½			6,894½	17,804½	33,263	7.24

Fiscal year ends March 31.

SUMMARY OF STATISTICS

In form recommended by the New England Water Association

CAMBRIDGE WATER WORKS

Cambridge, Middlesex County, Massachusetts

GENERAL STATISTICS

Population by census 1910, 104,839.

Estimated population March 31, 1915, 114,000.

Cambridge Water Works Corporation was chartered in 1852 and organized in 1853.

The works were constructed in 1855—Mr. John Blake, consulting engineer—and came into possession of the city by purchase in 1865, when they were called "Cambridge Water Works."

The original source of supply was Fresh Pond in Cambridge and Belmont, which was enlarged by connection via conduit with Wellington Brook and Spy Pond. The waters of these additional sources were adjudged unfit for domestic use in 1880 and since that time have not been utilized for a supply by Cambridge.

In 1887 Fresh Pond was augmented by a storage reservoir which had been constructed on Stony Brook, located in Weston and Waltham. The waters from this brook are brought to Fresh Pond by a conduit, originally a thirty-inch cast iron pipe, which was laid through Waltham and Watertown to Fresh Pond Reservoir.

This extension of the works was made under the direction of Mr. N. Henry Crafts, as consulting engineer, and our city engineer, Mr. W. S. Barbour.

The population of the city was about 60,000.

In 1897 an additional provision was made for storing water by the construction of two large reservoirs artificially formed by constructing two dams across Hobbs Brook, which is a tributary of Stony Brook and flows through Lexington and Lincoln.

Consulting engineers, Mr. Fteley and Messrs. Rice and Evans, and our City Engineer, Mr. L. M. Hastings, directed the construction of these reservoirs.

The population at this time was about 87,500.

In 1905 and 1906 two sections of the Stony Brook pipe were rebuilt, the new conduit being made of concrete, sixty-three inches in diameter. Another part was rebuilt in 1908, when a new thirty-inch main of cast iron was laid to replace 1,500 feet of the old thirty-inch line.

The consulting engineers for the concrete conduit was Freeman C. Coffin, with our City Engineer, Mr. L. M. Hastings.

The new thirty-inch main was laid under the supervision of the Water Works Superintendent, Mr. E. C. Brooks.

The conduit is constructed as follows:

From Fresh Pond to River Street,

Waltham 27,405 ft. of 63-inch concrete

From River Street to Stony Brook Dam	{	1,500 feet of 30-inch (new)
		6,023 feet of 30-inch (old)
		4,826 feet of 36-inch (old)

Mode of supply: Gravity from Hobbs Brook and Stony Brook storage reservoirs, to Fresh Pond receiving reservoir, pumping from Fresh Pond to Payson Park distributing reservoir, thence by gravity to consumers.

In case of necessity the water can be pumped direct to the city from the pumping station.

PUMPING STATISTICS.

I. Builders of pumping machinery:

- (a) Leavitt engine; capacity 20,000,000 gallons per 24 hours, built by Goshen High Duty Pumping Engine Company.
- (b) Compound duplex; capacity 2,250,000 gallons per 24 hours, built by G. F. Blake Manufacturing Company.
- (c) Compound duplex; capacity 5,000,000 gallons per 24 hours, built by H. R. Worthington.
- (d) Compound duplex; capacity 5,000,000 gallons per 24 hours, built by H. R. Worthington.

Total capacity, 32,250,000 gallons per 24 hours.

2. Description of fuel used:
 - (a) Kind—bituminous.
 - (b) Brand of coal—"New River."
 - (c) Price of coal—\$4.35 and \$4.38 delivered at Pumping Station, Fresh Pond.
3. Coal consumed for the year—4,766,900 pounds.
4. Pounds of wood consumed divided by three equals equivalent amount of coal—500 pounds. t
5. Total equivalent coal consumed for the year for pumping, 4,767,400 pounds.
6. Total pumpage for the year without allowance for slip—3,434,421,300 gallons.
7. Average static head against which the pump works—157.43.
8. Average dynamic head against which the pump works 189.57.
9. Number of gallons pumped per pound equivalent coal—720.
10. Duty—113,895,781.
Cost of pumping figured on pumping station expenses, viz.: \$24,998.08. (This amount does not include new coal shed.)
11. Per million gallons pumped—\$7.27.
12. Per million gallons raised one foot (dynamic)—\$.038.

FINANCIAL STATISTICS

For year ending March 31, 1915

Expenditures	Total Expenses	Operating Expenses
Pumping, new coal shed	\$7,542 25	
Pumping, general expenses	12,595 21	\$12,595 21
Pumping, salaries	12,402 87	12,402 87
Salaries	20,546 33	20,546 33
General expenses	74,054 46	74,054 46
Supply expenses	4,536 26	
Fresh Pond Reservoir	10,696 16	10,696 16
Payson Park Reservoir	1,508 59	1,508 59

Hobbs Brook Reservoir	1,579 75	1,579 75
Stony Brook Reservoir	6,340 89	6,340 89
Ice for fountains	747 68	747 68
City Treasurer and City Solicitor	2,500 00	2,500 00
	<hr/>	<hr/>
	\$155,050 45	\$142,971 94
Interest on bonds	111,132 75	
Sinking Fund	87,255 00	
Serial bond paid	19,000 00	
Refunds and abatements	5,491 28	
	<hr/>	
	\$377,929 48	
Construction :		
General	\$19,968 93	
Meters	3,107 49	
Meters (Detectors)	1,363 57	
Hobbs Brook Conduit	457 92	
Net receipts from water rates, etc. :		
Water rates, etc.	\$398,965 33	
Miscellaneous	12,803 98	
	<hr/>	
	411,769 31	

There is no charge made to city for water for any purpose.

Cost of works to date	\$6,663,567 21
Bonded debt to date	2,922,100 00
Bonded debt to date (net)	1,021,958 67
Value of sinking fund to date	1,900,141 33
Rate of interest 3 1-2 and 4 per cent.	

STATISTICS OF CONSUMPTION OF WATER

For the year extending from April 1, 1914, to March 31, 1915

Total population, 104,839 (census 1910).
 Estimated population supplied on lines of pipe, 114,000.
 Total pumpage for year, 3,434,421,300 gallons.
 Average daily consumption, 9,409,373 gallons.
 Gallons per day to each inhabitant, 82.53.
 Gallons per day to each tap, 568.

Cost of supplying water per million gallons pumped, figured on total maintenance "operating expenses" (\$142,971.94), \$41.62.

Total cost of supplying water per million gallons pumped, figured on "total maintenance," \$377,929.48, \$110.04.

STATISTICS RELATING TO DISTRIBUTING SYSTEM

For the year extending from April 1, 1914, to March 31, 1915

MAINS

Kind of pipe, cast iron.

Sizes, from two-inch to forty-inch.

Extended during year, 6,961½ feet.

Renewed during the year, 5,954 feet.

Total now in use, 139.547 miles.

Number of leaks per mile (on main pipes) for the year ending March 31, 1915, .04.

Length of pipes two and three inches in diameter, 2.05 miles.

Number of hydrants added during year (public), 29.

Number of hydrants (public) now in use, 1,156.

Number of stop gates added during year, 37.

Number of stop gates smaller than four-inch, none.

Range of pressure on mains, 55 to 60 pounds.

SERVICES

Kind of pipe, galvanized wrought iron, cast iron, tin lined, lead and lead lined.

Sizes (three-fourths to eight-inch.

Extended during year, 6,573½ feet.

Number of service taps added during the year:

¾-inch	68
1-inch	50
1¼-inch	10
1½-inch	6
2-inch	13
4-inch	2
6-inch	5

Total 154

Number now in use, 16,549.

Average length of service for past year, 42.68 feet.

Average cost of service for the year (lead lined) :

Average for $\frac{3}{4}$ -inch	\$25.48
“ “ 1-inch	32.36
“ “ $1\frac{1}{4}$ -inch	35.77
“ “ $1\frac{1}{2}$ -inch	40.04
“ “ 2-inch	52.11

Average cost for year, \$31.47.

Number of meters added during the year, 265.

Number now in use, from which the department receives income,
5,495.

Number now in use on schoolhouses, public buildings, etc., 61.

Number now in use, "Detector Meters," 29.

Total number, 5,585.

Percentage of services metered, .3374.

Respectfully submitted,

EDWARD W. QUINN,
General Superintendent.

PUMPING STATION,

Cambridge, Mass., April 1, 1915.

MR. EDWARD W. QUINN, General Superintendent Cambridge Water
Works.

Dear Sir :—I would report the machinery and boilers at the Pump-
ing Station in good condition.

The Leavitt Engine pumped all the water used by the city until
February 22, 1915, when it was shut down for repairs. The Worth-
ington Engines have supplied the city the remainder of the year.

On February 22, 1915, a leak appeared on the lower pump cham-
ber, high pressure side of Leavitt Engine. On examination it was
found that there was a crack on the chamber, extending through the
bottom of the manhole, downwards to the bottom flange of the cham-
ber. From the appearance of the crack on the inside of the chamber
it was very evident that this crack had been developing for some time,
and was probably due to a defect in the casting caused by unequal con-
traction when the casting was made.

This is being repaired, and the engine will be ready to start in a few days.

A defect which developed on furnace sheet, right-hand side of No. 2 Boiler, has been repaired. It appears that the sheet at this point was affected some years ago by an accumulation of scale lodging there, causing the sheet to be overheated.

A new Charcoal Iron Tube was put in No. 1 Boiler to replace one that was split on the end.

The threads that held the fusible plug in No. 1 Boiler became so corroded that the opening had to be plugged with a special steel plug, and a new hole drilled and tapped in a different position for the fusible plug.

The bridge walls and arches on Boilers Nos. 1 and 2 have been rebuilt.

The blow-off pipe on No. 1 Boiler has been renewed and a new blow-off valve placed on it.

The discharge pipe from air pump of Watertown Engine has been renewed.

A new 9½-inch Standard Westinghouse Air Compressor, for supplying air to the air chambers, has been installed.

The throttling plate on the suction pipe of Leavitt Engine has been braced and made rigid, so as to stand the strains it is subjected to.

A two-inch Mason Reducing Valve has been placed on the steam main to Watertown Engine.

Three gate wrenches have been provided, of proper dimensions to operate the main gates in the vicinity of the station.

A new Fire Alarm Box, No. 894, has been placed at the corner of Lake View Avenue and Worthington Street.

The new Coal Shed and Trestle will be ready for use in a few days.

Alterations are being made on the railroad track entering the new coal shed so as to improve the curve and the grade, as it was difficult and dangerous to shift the modern heavy coal cars into the shed on account of the steep grade on the old track.

The new Railroad Scales are being installed so that the coal can be weighed here at the station as received.

The Boiler Room Scales have been set on a concrete foundation.

The Boiler Room Ceiling and Roof have been repaired; the ceiling has been in poor condition for years.

Four radiators that had been in use in the station some years ago

have been again connected and were used last winter with very good results.

The chimneys on the Chief Engineer's house were rebuilt from the roof up, and the front and back piazzas and steps have been rebuilt.

The pump chambers have been opened several times, and have been found clean and in good condition.

Steam for heating has been connected from the station to the Chief Engineer's house, and the Superintendent's garage.

Respectfully submitted,

P. J. BARRY,

Chief Engineer.

REPORT OF BOARD OF PARK COMMISSIONERS

To the Honorable, the City Council of the City of Cambridge:—

Gentlemen:— The Board of Park Commissioners has the honor to submit herewith its twenty-second annual report covering the municipal year, March 31st, 1915, together with the twenty-first annual report of the General Superintendent of Parks, as required by Section 5 of the Ordinances establishing a Park Department.

CHARLES RIVER PARKWAY

Considerable progress was made the past year toward completion of this Parkway. Section E. was opened for traffic and a new surface provided for Section F. and G. The entire roadway between Harvard Bridge and Mt. Auburn Street is now in first class condition.

At Section F. between Western Avenue and Boylston Street, a much needed improvement was made in the portion bordering the river east of the Weld Boat Club. Over 100,000 square feet was added to the park area of the city by filling in the river at this point and providing a loam surface. At Section F. this summer, it is proposed to improve the appearance of the portion formerly known as DeWolfe Street, which was turned over to the Park Department last year. It is expected that Section F. when completed will be the prettiest section of the river parkway.

A tar macadam roadway will be provided on the easterly road between Harvard and Cambridge Bridges, and after that is completed work will be begun toward providing a permanent roadway on the westerly road at this point.

With the building of these two roads this year, and also the work at Section F., the river parkway will be very nearly completed.

PLAYGROUNDS

Not much progress was made the past year toward the completion of our playgrounds system, because of the smallness of the amount

allowed for construction and equipment. At the Mill Pond Playground a fence was erected, a new surface provided and over 450 trees planted.

The appearance of this playground has been very much improved and with the erection of a shelter this summer and the field properly supervised this will be one of the most popular and best equipped of our larger playgrounds.

At Cambridge Field, it is proposed to lay out the portion east of the Shelter for a children's playground. Bleachers will also be erected on the ball field.

At Rindge Field, bleachers will be erected on the southeast corner and the diamond rearranged. It is also proposed to take a portion of the nursery grounds and use it for a children's playground.

At Thorndike Field, a shelter will be erected this summer. This will complete this field; making it the most up-to-date playground in the city.

At Russell Field, an additional locker building, store room and room for women will be constructed under the baseball bleachers.

No work was done on any of the smaller playgrounds the past year, and none will be done the coming year with the exception of a fence at the Sleeper School, owing to the small appropriation allowed for construction.

BATH HOUSE AT CAPTAIN'S ISLAND

This bath house is in a deplorable condition and should be torn down at the end of the coming bathing season.

GRANOLITHIC WALKS

The Park Board again requests that a certain amount be allowed each year for the construction of granolithic walks. The board walks have long outgrown their usefulness and are a source of danger.

FINANCIAL STATEMENT

PARK LOANS

Amount of unused balance of 1913 appropriation reappropriated	
May 15th, 1914	\$13,720 13
Amount appropriated August 21st, 1914.....	30,000 00
	<hr/>
	\$43,720 13

PLAYGROUND LOANS—CONSTRUCTION AND EQUIPMENT

Amount of unused balance of 1913 appropriation reappropriated	
May 15th, 1914	\$1,793 45
Amount appropriated May 19th, 1914.....	5,000 00
	<hr/>
	\$6,793 45

PLAYGROUND LOANS—PURCHASE OF LAND

Amount of unused balance of 1913 appropriation reappropriated	
May 15th, 1914	\$3,015 00
Amount appropriated December 17th, 1914.....	25,000 00
	<hr/>
	\$28,015 00

PARK MAINTENANCE

General:—

Amount appropriated May 19th, 1914.....	\$28,300 00	
Amount appropriated September 30th, 1914....	1,100 00	
	<hr/>	
	\$29,400 00	
Amount transferred September 8th, 1914, to		
Maintenance, Street Department	532 00	
	<hr/>	
		28,968 00

Forestry:—

Amount appropriated May 19th, 1914.....	\$15,000 00	
Amount appropriated September 30th, 1914....	400 00	
	<hr/>	
		15,400 00

Salaries:—

Amount appropriated May 19th, 1914.....	2,936 00
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Memorial Flag Staff:—

Amount appropriated May 19th, 1914.....	\$275 00	
Amount appropriated October, 1914.....	368 50	
	<hr/>	
		643 50

PLAYGROUND MAINTENANCE

General Expenses: —

Amount appropriated May 19th, 1914.....	\$700 00	
Amount transferred from Salaries, October 15, 1914	117 00	
		817 00

Salaries: —

Amount appropriated May 19th, 1914.....	\$3,000 00	
Amount appropriated from Bequest of M. C. Wilson, July 24th, 1914	218 01	
	\$3,218 01	
Amount transferred from General Expenses, October 15th, 1914	117 00	
		3,101 01

During the year bills payable from Park Loans have been approved by the Board and certified to the Auditor to the amount of \$33,388.60 as follows: —

River Parkway, Section A: —

Construction account	\$5,300 06
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River Parkway Section B: —

Construction account	9 31
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River Parkway, Section C: —

Construction account	2,849 10
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River Parkway, Section D: —

Construction account	83 24
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River Parkway, Section E: —

Construction account	12,304 61
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River Parkway, Section F: —

Construction account	12,842 28
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Amount expended	\$33,388 60
Balance unexpended	10,331 53

During the year bills payable from Playground Loans have been approved and certified as follows:—

Land for Playgrounds: —

Land account	\$19,309 10
Balance unexpended.....	8,705 90

Construction and Equipment: —

Construction account	5,886 93
Balance unexpended	906 52

During the year bills payable from Park and Playground Maintenance have been approved as follows:—

	Amount Expended	Balance Unexpended
Maintenance, General	\$28,954 30	\$13 70
Maintenance, Forestry	15,397 90	2 10
Maintenance, Salares	2,918 52	17 48
Maintenance, Memorial Flag Staff.....	448 01	190 49
Maintenance, General Expenses, Playgrounds.....	799 79	1 22
Maintenance, Salaries, Playgrounds	3,117 00	.....

A detailed classification of the expenditures will be found in the report of the General Superintendent.

Since the beginning of the work in 1893, there has been expended to date of money raised under Park and Esplanade Loans the sum of \$1,684,042.91.

The division is as follows:—

River Parkway, Section A:—		
Construction account	\$186,959 23	
Land account	9,416 83	
		196,376 16
River River Parkway, Section B:—		
Construction account	\$111,587 57	
		111,587 57
River Parkway, Section C:—		
Construction account	130,893 55	
Land account	31,701 08	
		163,594 63
River Parkway, Section D:—		
Construction account	\$129,909 48	
Land account	95,047 25	
		224,956 73
Section E:—		
Construction account	\$17,945 63	
Land account	67,145 00	
		85,090 63
Section F:—		
Construction account	\$92,799 87	
Land account	67,491 62	
		151,291 49
Section G:—		
Construction account	\$121,117 78	
Land account	86,824 82	
		207,942 60
Section H:—		
Construction account	\$13,135 30	
		13,135 30
River Parkway, Delta, Cambridge Bridge:—		
Construction account	927 83	927 83
Rebuilding Sea Walls:—		
Construction account	10,887 89	10,887 89

Cambridge Field: —		
Construction account	128,513 59	
Land account	78,884 85	
	<hr/>	207,398 44
East Cambridge Embankment: —		
Construction account	\$102,897 93	
Land account	45,231 40	
	<hr/>	148,129 33
General Account: —		
Construction account	\$55,352 45	55,352 45
Rindge Field: —		
Construction account	19,307 86	
Land account	31,461 95	
	<hr/>	50,769 71
Office Expenses: —		
Construction account	\$15,915 29	15,915 29
Broadway: —		
Construction account	11,635 27	11,635 27
Nursery: —		
Construction account	9,240 49	9,240 49
Improvements at Rindge Field: —		
Construction account	7,788 98	7,788 98
Floating Bath House: —		
Construction account	4,483 28	4,483 28
Hastings Square: —		
Construction account	2,683 07	2,683 07
Baths and Lockers: —		
Construction account	2,500 00	2,500 00
Shower Baths and Heating Apparatus, Rindge Field: —		
Construction account	1,891 10	1,891 10
Winthrop Square: —		
Construction account	1,866 26	1,866 26
Dana Square: —		
Construction account	1,111 42	1,111 42
Mill Pond: —		
Construction account	\$999 97	\$999 97
Fort Washington: —		
Construction account	929 79	929 79
Memorial Gateway, Cambridge Common: —		
Construction account	565 07	565 07
Washington Elm: —		
Construction account	466 98	466 98
Porter Square: —		
Construction account	20 87	20 87
	<hr/>	\$1,688,537 30
Less Park Revenue for 1894 and 1896 merged into land and construction accounts		4,494 39
	<hr/>	\$1,684,042 91

Of the whole amount of Park Loans expended to April 1st, 1914, 30 per cent. has been for land and 70 per cent. for construction, as follows:—

Land account (less revenues)	\$508,710 31
Construction account	1,175,332 60
	<hr/>
	\$1,684,042 91

Respectfully submitted,

DANIEL A. BUCKLEY,
JOHN T. SHEA,
DAVID J. NELLIGAN,
JOHN J. AHERN,
WILLIAM M. WADDEN,

Park Commissioners.

REPORT OF GENERAL SUPERINTENDENT OF PARKS

CAMBRIDGE, MASS., April 1, 1915.

To the Board of Park Commissioners, City of Cambridge: —

Gentlemen: — I have the honor to submit my eighth annual report as General Superintendent of Parks covering the financial year from April 1, 1914, to April 1, 1915.

SECTION A.

The area of this section is 9.07 acres. It extends from Cambridge Bridge to Ames Street.

The principal work done on this section during the year was the building of a new drainage system which necessitated the building of 32 catchbasins, and the laying of 2,560 feet of 6-inch pipe, 1280 feet of 8-inch pipe and 704 feet of 10-inch pipe.

The 80 ft. loam space between Wadsworth Street and Cambridge Street was spaded, weeded and graded. The slopes on both sides of the roadway were similarly cared for.

The 40 ft. roadway between the bridge and Ames Street was brought to sub-grade with cinders.

The sidewalk was also brought to sub-grade by use of the material left from the digging of the drainage trenches.

About 263 feet of the iron fence received two coats of paint.

The plans which have been drawn up for new shrubbery beds should be carried out in the Spring.

The cost of lighting this section was \$1216.08.

SECTION B

This Section covers 19.72 acres. It extends from Ames Street to the fourth Street west of Massachusetts Avenue.

The usual maintenance work was done on this section, four men

being employed during the Spring and Summer months, cutting the grass and looking after the trees and shrubbery.

The raft on this section was repaired.

I would renew my recommendation of last year that the 30-foot roadway between Massachusetts Avenue and the Cambridge Bridge be rebuilt with a permanent pavement, and that a 40-foot roadway on the other side be built immediately for pleasure driving.

The cost of lighting this section was \$640.02.

SECTION C

There are 18.39 acres in this section. It extends from the fourth street west of Massachusetts Avenue to Brookline Street.

The principal work done here was the filling in and grading of the slope between Brookline Street and the Railroad Bridge.

Both sidewalks east of the railroad bridge were levelled and covered with gravel; 2,561 square feet of granolithic walk were laid between the bridge and Brookline Street, while 3,982 square feet were laid in front of the Gray & Davis Company's grounds, the City paying 6 cents per square foot and the abutters 6 1-2c.

SECTION D.

This section contains 38.31 acres. It extends from Brookline Street to River Street.

The 40-foot roadway between Brookline and Magazine Streets has been repaired. This road was built with Tar Macadam fourteen years ago, and with the exception of an oiling every two years it has received no further attention.

Nothing has been done in regard to enlarging the Ball field, as filling seems to be very scarce in this section of the city and we anticipate its requiring about 5,000 yards to cover this area.

The grounds around the Bath House received the usual care, two men being employed during the season. The Bath House was open from June 22nd to August 29th, with the usual attendants.

As has already been stated in previous reports, these buildings are in very poor condition and should be torn down and new buildings erected.

The ball field received the usual care and was well patronized during the season.

The cost of lighting this section was \$553.29.

SECTION E

The area of this section is 1.77 acres. It extends from the western side of River Street to the eastern side of Western Avenue.

Excavating on the roadway was commenced here in the early Spring, cinders being put in for a foundation and a tar macadam road then built.

The tree pits were dug and filled with loam, thus being left ready for planting in the Spring.

The sea-wall was repaired; 864.06 square feet of granolithic coping were laid and a new iron fence was set up along the entire wall. A complete drainage system was also installed, a curbing set at River Street and Western Avenue, and thirteen new lights were installed.

With the completion of this section, a long needed improvement has at last been realized, and there now exists a continuous drive-way along the river from Massachusetts Avenue to Mt. Auburn Street.

It will cost \$450.00 a year to light this section.

SECTION F

The area of this section is 13.89 acres. It extends from the north line of Western Avenue to the east line of Boylston Street.

The entire length of the 40-foot roadway on this section has been built with tar macadam.

The cracked stone for this section and section E was furnished under contract by W. J. McCarthy Company at \$1.30 per ton.

A new drainage system was installed between Western Avenue and Cowperthwaite Street.

On account of the widening of the beach by about 100 feet last year, it was necessary to extend the drain pipes to the river.

A contract was entered into with the J. H. McNamara Company of Brighton to deliver 3,000 yards of loam between the Weld Boat House and Plympton Street, at a price of 73 cents per cubic yard, for the purpose of completing this part of the section, which we anticipate will be one of the most attractive spots on our entire park system. A gravel walk 10 feet wide along the water between these two points was built and the beach was also covered with 6 inches of gravel, this gravel being furnished by J. M. Riley at 78 cents per cubic yard.

The cost of lighting this section was \$457.80.

SECTIONS G AND H

Section G extends over 16.7 acres, while Section H covers 1.44 acres.

The usual work of maintaining this section was carried on during the season, four men being employed to care for the grounds.

A new tar macadam road has been provided for Section G.

The wire fence along Mount Auburn Street received two coats of paint, and one new top rail was replaced.

The triangular lot lying west of Bath Street was given over last year for playground purposes. If this is going to continue, I am very much afraid that it will result in the lowering of the high standard of our present Park System at this point. This has been experienced in the past both at Broadway Common and Dana Square.

The cost of lighting this section was \$450.72.

CAMBRIDGE FIELD

Considerable trouble was caused by reason of the dust which blew from the new surface that was put on the ball-field last year, but it must be assumed that it is impossible to obtain any surface material from which dust will not rise, unless it is thoroughly watered or oiled. The field in question received two coats of oil, but this was not sufficient to prevent the dust from rising, but was all the appropriation would allow. It is my recommendation that we put a coat of oil on this surface every six weeks, and thus prevent this trouble in the future.

The field was flooded for skating but on account of the mild winter weather, there were only a few days that this pleasure could be enjoyed.

The plumbing system was repaired to some extent, but as this has been in effect for 18 years, it should be thoroughly overhauled.

Six new trees were planted, these replacing ones that died during the year, and the grass and shrubs were well cared for.

The shower baths are still in great demand, as the increased attendance will show.

MILL POND

1,733 feet of chain link fence were erected.

In order to straighten the line on the South East corner. a small

piece of land was bought from the heirs of Rebecca Joyce, containing 1,733 sq. feet at a cost of \$87.60.

Although about 1200 yards of filling have been used, it will require about 2,000 more yards to bring the field to sub-grade.

Nearly 500 young Poplar trees were bought in the fall, so as to have them ready for planting in the early spring.

BROADWAY COMMON

The hydrant which has been standing in the walk leading from Broadway has been removed.

The iron fence was repainted, and all the shrubs were trimmed.

The lawn received a covering of loam for a sub-soil, grass was planted and the ground was rolled.

THORNDIKE FIELD

One man is employed to care for this field.

The entire fence was cleaned and painted.

The Ball field, as well as the children's playground, were oiled during the season to lay the dust.

The gymnastic apparatus on the northerly end of the ball field will be removed this Summer, as it is a source of danger.

RUSSELL FIELD

Two men were employed from the first of April to the first of December. A covering of cinders was put on the track and many depressions filled with loam. The entire surface was rolled thoroughly several times during the season. Grass seed was sown in the Spring and the field is now in good condition.

At this time, I wish to renew my recommendation of last year to have a diamond made in the large field outside of the fence so that the younger boys would have a diamond where they could play ball. Just now there really is no place for the smaller boys as the larger diamond is always in demand by older people. Such a diamond would also be quite a saving on the wear and tear of the field.

EAST CAMBRIDGE EMBANKMENT

No construction work was done here owing to the fact that no appropriation was made for such work.

The floating bath house was moored here and still continues to be exceptionally well patronized, as has been the case in former years.

ROBERTS SCHOOL PLAYGROUND

A new chain fence 450 feet long was erected on Broadway and Windsor Street.

A new surface of loam was placed over the playground. This is one of the most beneficial spots in the City, being located in a very thickly populated section of the City and enjoyed to a great extent by the children of the school and neighborhood.

RINDGE FIELD AND NURSERY

This field continues to be one of the most popular playgrounds in the city, being more in demand than any other field with the possible exception of Russell Field.

It has been in constant use during the Baseball, Football and Skating seasons. The Tennis Court has also been well patronized during the Spring season.

The Lounging Room was repainted and the basement walls were whitewashed. The shower baths were enjoyed by a great many people.

One man is employed in the Nursery and as there is very little stock kept here now, and as the man, who has been in charge for 25 years, is now seeking a pension, I would suggest that the superintendent with his assistants take charge of the Nursery.

CAMBRIDGE COMMON

The regular mainenance work was carried on during the year, two men being constantly employed. The board walks here are in very poor condition and should be replaced with granolithic walks.

The grounds around the Memorial Flag Staff were graded, shrubs were planted and a granolithic walk was laid from Peabody Street to the flag pole.

On account of the contemplated change in the street line by the City Government, it was deemed advisable not to proceed any further

until it was definitely decided upon whether such a change would take place or not.

It was necessary to relay two squares of the granolithic walk, on account of contraction.

CITY HALL

The grounds surrounding the building were cared for in the usual manner and notwithstanding the length of time since it was seeded it is in very good shape.

Dana and Hasting Squares, as well as Fort Washington, received the usual care during the season. Shrubs were trimmed, grass cut and beds cleared out.

WINTHROP SQUARE

I find it impossible to keep this small area in a proper condition, on account of the boys insisting on using it for a ballfield. Although signs were posted forbidding its use for this purpose it is still so used and it seems that there is only one way to stop it and that is by bringing the culprits into court.

PUBLIC LIBRARY

These grounds received the usual care during the year, all the shrubs having been thoroughly trimmed in the Fall.

The Trustees and Librarian were very desirous of having a granolithic walk laid around these grounds, but as the money necessary to do this work was not appropriated, this work could not be done.

BROWN TAIL AND GYPSY MOTHS

On account of the small quantity of Brown Tail moths with which we had to contend this year, the expenses of this branch of the department were about \$2,000 less than they were the previous year. This can be accounted for because of the fact that when the moths were in flight last July, the wind was favorable to Cambridge, that is, very few of these pests were blown into our city from the surrounding cities and towns. The money thus saved was used most advantageously for the trimming and removing of dead trees.

All the Elm trees were sprayed as a protection against the Elm Leaf Beetle.

There were 2,500 estates cleaned at a charge of 31 cents per hour, a total of \$2,933.54.

SHADE TREES

We have succeeded in accomplishing more work on our shade trees this year than we have been able to do for the last decade.

The surplus money which was not required for the moth work was used for the purpose of trimming the dead wood from the trees and for removing the most dangerous ones.

A start was made to conduct a systematic trimming from Roseland Street, continuing to Dana Street between Massachusetts Avenue and the Somerville line, along Massachusetts Avenue from City Hall to Alewife Brook, and on Harvard Street and Broadway between Harvard Square and Norfolk Street.

There were 420 trees trimmed and 78 removed; 800 new trees were planted to replace those that had died; 71 stumps and 240 dead heads removed.

THE YEAR'S EXPENDITURES

The expenses of the department for the financial year for 1914 are shown in the following summary of the departmental accounts:—

PARK LOANS

(Lands and Construction.)

Amount of unused balance of 1913 appropriation reappropriated	
May 15th, 1914	\$13,720 13
Amount appropriated August 21st, 1914	30,000 00
	<hr/>
	\$43,720 13

EXPENDED

Section A:—

Pay-rolls	\$3,740 24	
Ashes	475 50	
Pipe for sewerage	354 42	
Teaming	213 00	
	<hr/>	
Amount carried forward.....	\$4,813 16	\$43,720 13

<i>Amount brought forward</i>	\$4,813 16	\$43,720 13	
Catch basin covers.....	166 40		
Sewer brick	130 58		
Cement (building basins).....	83 62		
Road oil	60 75		
Sand (building (basins)	38 94		
Grass seed	17 15		
Signs for roadway	15 68		
Hardware, tools, etc.	3 78		
	<hr/>	5,300 06	
Section B:—			
Hardware, tools, etc.	9 31	9 31	
Section C:—			
Pay-rolls	\$1,277 32		
Loam	870 26		
Teaming	239 25		
Rebate on granolithic walk	238 92		
Rebate on granolithic walk ...	153 68		
Filling	59 67		
Drainage	10 00		
	<hr/>	2,849 10	
Section D:—			
Pay-rolls	\$83 24	83 24	
Section E:—			
Pay-rolls	\$4,952 07		
Iron fence	1,478 23		
Teaming	1,100 25		
Loam	1,030 80		
Repairing sea wall	1,193 32		
Cracked stone	976 40		
Drainage	329 43		
Tarvia	779 51		
Lumber, forms for coping	92 86		
Stakes	78 79		
Granite curbings	45 84		
Cement	34 29		
Hardware, tools, etc.	42 83		
Bolts for coping	22 00		
Advertising	20 58		
Cinders	117 50		
Sharpening saws	9 91		
	<hr/>	12,304 61	
Section F:—			
Pay-rolls	\$5,598 45		
Cracked stone	2,502 24		
Tarvia	2,102 37		
Loam	1,320 06		
Gravel	533 34		
Drainage	264 88		
Teaming	306 00		
Rebate on granolithic walk	106 27		
Hardware, tools, etc.....	33 48		
Cinders	26 25		
Advertising	22 05		
Coal	15 08		
Kerosene oil	7 51		
<i>Amount carried forward</i>	\$12,837 98	\$20,546 32	\$43,720 13

<i>Amount brought forward</i>	\$12,837 98	\$20,546 32	\$43,720 13
Water pipe	4 30	12,842 28	
Total amount			33,388 60
Balance unexpended			<u>\$10,331 53</u>

PLAYGROUND LOAN

CONSTRUCTION AND EQUIPMENT, PLAYGROUNDS

Amount of unused balance of 1913 appropriation reappropriated May 15th, 1914	\$1,793 45
Amount appropriated May 19th, 1914	5,000 00
	<u>\$6,793 45</u>

EXPENDED

Mill Pond:—

Iron fence	\$2,928 77	
Pay-rolls	1,305 13	
Trees	200 00	
Teaming	84 75	
Loam	82 80	
		\$4,601 45

Roberts School:—

Iron fence and gates	\$805 50	
Loam	210 32	
Pay-rolls	203 95	
Teaming	24 00	
		1,243 77

Cambridge Field:—

Trees	40 00
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General Expenses:—

Hardware, tools, etc.	1 71
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Total amount	5,886 93
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Balance unexpended	<u>906 52</u>
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MAINTENANCE—FORESTRY

Amount appropriated May 10th, 1914	\$15,000 00
Amount appropriated September 30th, 1914	400 00
	<u>15,400 00</u>

EXPENDED

Brown Tail Moth Extermination:—

Pay-rolls	\$4,492 64
Arsenate of lead	373 14

<i>Amount carried forward</i>	\$4,865 78	\$15,400 00
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Amount brought forward	\$4,865 78	\$15,400 00
Teaming	153 00	
Postage stamps	65 00	
Spraying machine repairs	46 03	
Stationery	43 78	
Hardware, tools, etc.	25 49	
Ladder repairs	25 14	
Circulars, "Notices to Property Owners"	19 60	
Gasoline	14 21	
		5,258 03
Shade Trees: :—		
Pay-rolls	\$7,492 93	
Trees	1,124 72	
Teaming	425 25	
Tree Poles	289 10	
Loam	180 15	
Wire netting	157 50	
Hardware, tools, etc.....	73 36	
Damages to persons by falling trees	73 10	
Rope	46 36	
Old hose for tying young trees ...	33 81	
Repairing sidewalks	12 26	
Sharpening saws	12 08	
Stationery	7 30	
		9,931 87
Removal Dead Trees: —		
Teaming		208 00
Total amount		\$15,397 90
Balance unexpended		2 10

SALARIES — PARKS

Amount appropriated May 19th, 1914.....	\$2,936 00
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EXPENDED

Salary of general superintendent.....	\$1,994 52	
Salary of clerk and bookkeeper.....	924 00	
Total amount		2,918 52
Balance unexpended		\$17 48

MEMORIAL FLAG STAFF

Amount appropriated May 19th, 1914.....	\$275 00
Amount appropriated October 1st, 1914 (revenue received)....	363 50
Amount carried forward.....	\$638 50

Amount brought forward..... \$638 50

EXPENDED

Pay-rolls	\$302 37	
Teaming	28 50	
Cinders	65 00	
Setting garden hydrants	45 52	
Hardware, tools, etc.....	5 62	
Water "off and on"	1 00	
Total amount		\$448 01
Balance unexpended		\$190 49

CONSTRUCTION — LAND FOR PLAYGROUNDS

Amount of unused balance of 1913 appropriation reappropriated May 15th, 1914	\$3,015 00
Amount appropriated December 17th, 1914.....	25,000 00
	<u>\$28,015 00</u>

EXPENDED

Land for Ward 10 Playground	\$19,131 50	
Examination of titles	90 00	
Land at Mill Pond	87 60	
Total amount		19,309 10
Balance unexpended		<u>\$8,705 90</u>

MAINTENANCE — PLAYGROUNDS

SALARIES

Salaries: —	
Amount appropriated May 19th, 1914.....	\$3,000 00
Amount transferred from General Expenses, July 24th, 1914..	117 01
	<u>\$3,117 00</u>

EXPENDED

Salaries of Teachers and Instructors.....	\$3,117 00	
Amount expended		3,117 00

GENERAL EXPENSES

Amount appropriated May 19th, 1914.....	\$700 00
Amount transferred July 24th, 1914 from bequest of M. C. Wilson	218 01
	<u>918 01</u>
Amount transferred October 15th, 1914, to Salaries.....	117 00
<i>Amount carried forward</i>	<u>\$801 01</u>

Amount brought forward..... \$801 01

EXPENDED

Pay-rolls	\$37 42	
Balls, bats, etc.	335 05	
Transportation	52 50	
Raphia, needles, etc.	57 38	
Car tickets	60 00	
Setting up portable booth.....	38 55	
Prizes, fobs	50 00	
Band, for demonstration	66 00	
Stationery	21 80	
Hire of bandstand.....	25 00	
Prizes, middy blouses	16 66	
Beach sand	13 64	
Teaming	6 00	
Music	9 00	
Unfilled bases	6 75	
Hire of chairs	1 50	
Lime	1 22	
Hardware, tools, etc.	1 32	
Total amount.....		799 79
Balance unexpended		\$1 22

OILING PLAYGROUNDS

Amount appropriated May 19th, 1914..... \$150 00

EXPENDED

Oil	148 80	
Balance unexpended		\$1 20

MAINTENANCE — GENERAL

Amount appropriated May 19th, 1914.....	\$28,300 00
Amount appropriated September 30th, 1914.....	1,100 00
	\$29,400 00
Amount transferred September 8th, 1914. to Maintenance, Street Department	432 00
	\$28,968 00

EXPENDED

RIVER PARKWAY, SECTIONS A, B, C, D, E, F, G and H

Section A:—			
Lighting	\$1,216 08		
Lumber for signs	11 32		
		\$1,227 40	
Section B:—			
Pay-rolls	\$886 22		
Lighting	640 02		
Amount carried forward.....	\$1,526 24	\$1,227 40	\$28,968 00

<i>Amount brought forward</i>	\$1,526 24	\$1,227 40	\$28,968 00
Sand	66 13		
Hardware, tools	9 81		
Teaming	6 00		
Lumber	5 38		
Signs	8 43		
	<hr/>	1,621 99	
Section C:—			
Repairing railroad bridge.....		154 72	
Section D:—			
Lighting	\$553 29		
Pay-rolls	412 51		
Tarvia	7 20		
Hardware, tools, etc.	3 23		
Bases for ball field	3 03		
	<hr/>	979 26	
Section E:—			
Lighting		28 11	
Section F:—			
Lighting		457 80	
Sections G and H:—			
Pay-rolls	\$1,281 61		
Lighting	480 72		
Rebate on granolithic walk	116 04		
Hardware, tools, etc.	35 66		
Teaming	42 00		
Repairing iron fence	13 00		
	<hr/>	1,967 03	
Total		<hr/>	6,436 31

CAMBRIDGE FIELD AND SHELTER

THE FIELD

Pay-rolls	\$2,181 67		
Lighting	419 69		
Oil for laying dust	321 80		
Hardware, tools, etc.	38 61		
Teaming	24 00		
Lawn Seed	16 17		
Trees	6 00		
Sand	5 83		
Flooding field for skating	1 25		
	<hr/>	3,015 02	

THE SHELTER

Pay-rolls	\$2,544 00		
Coal	257 85		
Laundering towels	123 23		
Plumbing repairs	66 25		
Lighting	75 72		
Supplies	10 43		
<i>Amount carried forward</i>	\$3,077 48	\$3,015 02	\$28,968 00

Amount brought forward	\$3,077 48	\$3,015 02	\$28,968 00
Repairs	17 63		
Towels	12 00		
Toilet paper	8 82		
Hardware, tools, etc.	3 09		
		3,119 02	
		6,134 04	

COMMONS, SQUARES AND PUBLIC GROUNDS

Pay-rolls	\$4,681 93		
Lighting	308 70		
Teaming	144 00		
Graphite paint	70 25		
Lumber, repairing board walks....	68 74		
Hardware, tools, etc.....	45 27		
Loam	32 70		
Garden hose	38 22		
Lumber, Fourth of July celebration	25 45		
Housing topmasts, ets.....	22 78		
Lawn seed	16 17		
Repairing granolithic walk. Cam- bridge Common	10 00		
Hydrant	8 90		
Signs	7 67		
Removing hydrant, Broadway Com- mon	6 13		
		5,486 91	

RINDGE FIELD AND SHELTER

THE FIELD

Pay-rolls	\$1,842 01		
Lighting, Camb. E. L. Co.....	109 33		
Oil	77 50		
Lighting, Welsbach St. Ltg.....	54 23		
Teaming	18 75		
Lighting, Camb. Gas. Lt. Co.....	8 07		
Bases	3 92		
Hardware, tools, etc.	96		
		\$2,114 77	

THE SHELTER

Pay-rolls	\$1,668 00		
Coal	156 25		
Repairs	86 50		
Laundering towels	73 85		
Lighting	25 21		
Towels	12 01		
Hardware, tools, etc.	3 76		
Supplies	2 61		
		2,028 19	
		4,142 96	

Amount carried forward .. \$128,968 00

BATH HOUSE

<i>Amount brought forward ..</i>		\$128,968 00
Pay-rolls	\$1,232 25	
Laundering towels, suits, etc.	173 59	
Repairs	124 80	
Plumbing repairs	31 90	
Disinfectant	30 44	
Lighting beach and houses	60 83	
Hardware, tools, etc	9 03	
Supplies	5 38	
Spring board for raft	3 34	
Medicinal supplies	1 84	
Stationery	1 47	
Water "off and on"	1 00	
	<hr/>	\$1,675 87

RUSSELL FIELD

Pay-rolls	\$1,246 00	
Plumbing repairs	58 47	
Gas consumed	48 63	
Wire netting for fence	33 07	
Supplies and hardware	22 09	
Teaming	21 00	
Repairs, building	19 09	
Repairs, heater	15 91	
Back stop	18 18	
Bases for ball field	10 14	
Cinders	6 00	
Laundering towels	5 07	
Cement	2 03	
	<hr/>	1,505 68

THORNDIKE FIELD

Pay-rolls	\$981 75	
Oil	241 40	
Lighting	77 23	
Lumber	9 57	
Teaming	6 00	
	<hr/>	1,315 95

GENERAL ACCOUNT

Telephone service	\$168 80	
Printing and binding report	136 63	
Gasoline	90 13	
Garden hose	76 41	
Automobile hire	74 23	
Entertaining Committee	98 22	
Storage of auto	71 50	
Trip to Chicago	75 15	
Auto repairs and supplies	60 16	
Horse shoeing	55 88	
Printing and stock	52 91	
	<hr/>	

Amount carried forward..... \$960 05

\$28,900 00

<i>Amount brought forward</i>	\$960 05	\$28,968 00
Postage stamps and cards	52 97	
Stationery	38 81	
Pay-rolls	64 48	
Engine oil	24 92	
Hardware, tools, etc	19 01	
Coal and wood for steam roller	18 07	
Daily reports	17 35	
Pay-roll book	13 75	
Wagon repairs	10 42	
Inspection of boiler	10 00	
Supplies	9 26	
Steam roller repairs	8 48	
Spring water	8 85	
Kerosene oil	8 50	
Dating stamps	9 06	
Letter heads	9 06	
Car tickets	5 00	
Directory	4 50	
Polarine oil	6 20	
Harness repairs and supplies	2 94	
Indelible ink	2 00	
Sharpening tools	1 76	
Photo supplies	64	
	<hr/>	1,305 17

FLOATING BATH HOUSE

Pay-rolls	\$299 00	
Repairs, bath house	300 00	
Towing house to place	70 00	
Labor securing house to wall	4 50	
Wire netting	3 75	
Spring board	1 54	
Daily reports	1 47	
Supplies and hardware	1 31	
	<hr/>	681 57

LONGFELLOW PARK

Pay-rolls	269 84	
	<hr/>	
Total amount		28,954 30
		<hr/>
Balance unexpended		\$13 70
		<hr/> <hr/>

Respectfully submitted,

JOHN F. DONNELLY,
General Superintendent of Parks.

REPORT OF SUPERVISOR OF PLAYGROUNDS

February 1, 1915

To the Board of Park Commissioners, City of Cambridge:—

Gentlemen:—I submit herewith a report of the work on the Cambridge playgrounds during the season of 1914.

The most important feature of the summer's work was the organization of a number of inter-playground leagues and the stimulation, by means of inter-playground competition, of a live interest in almost every form of playground activity. Leagues were formed and regular schedules arranged in the following groups:—

- Baseball for boys, (a) not over 16 years of age;
(b) not over 13 years of age;
(c) not over 12 years of age.
- Playground Baseball, for boys not over 14 years of age;
for girls not over 15 years of age.
- Squash Ball, for girls not over 13 years of age.

In addition to the above, each playground had its schedule of dual meets with others in its class, these meets consisting usually of a simple program of not over five events, two of which were always team events.

The purpose of the emphasis of this competitive feature was two-fold. The playgrounds are without even the simplest form of equipment and it is not difficult to understand why, in their present state, they are of themselves insufficient to attract and hold the average child. If, however, a child is allied with some form of activity going on in his own playground and finds opportunity to appear regularly as one of its representatives in competition, he soon becomes a daily attendant. As no boy or girl was allowed to play on more than one team, the number of boys and girls reached in this way was considerable. Furthermore, this competition was of itself so helpful in taking care of the physically fit that the teachers were enabled to devote more time to the needs of those children who are usually classed as the "lookers-on."

The dangers attendant upon excessive competition were not forgotten and, for this reason, no child was permitted to appear as contest-

ant in more than one event, and those girls who qualified as entrants in the athletic events of the final demonstration day were withdrawn from the dancing numbers.

As in previous years, the activities of the boys were made up almost wholly of baseball and track events. The age limit set for the different groups was rigidly adhered to, and, on this account, disqualifications were numerous enough to product a wholesome and lasting effect.

The most important change made in the work outlined for the girls was the omission of instruction by special teacher in occupation work and the introduction of regularly scheduled league games in playground baseball and squash ball. The general supervision of the occupation work was left to the teachers themselves. While several teachers failed to take advantage of the opportunities offered in this direction, the greater number did excellent work, and this plan, with perhaps a closer following up of the negligent, is to be recommended for continued adoption. The league games were followed with an interest even greater than that displayed among the boys, and should, in time, do much toward promoting a healthy, interplayground spirit. Middy blouses with arm bands bearing the playground initial were awarded to successful teams from the Gore and Thorndike playgrounds.

The customary closing exercises were held at Russell Field on Wednesday, August 26th, before a gathering of over 5000 spectators. Approximately 800 children took part in the program, which follows: —

OPENING MARCH.

SINGING GAMES.

1. Did You Ever See a Lassie?
2. King of France.
3. Oats, Peas, Beans.
4. Farmer in the Dell.

BEAN BAG RACES.

- (a) Sub-Junior Boys.
- (b) Junior Girls.

SHUTTLE RELAY RACE. Senior Girls.
50 YARDS DASH. Sub-Junior Boys.
75 YARDS DASH. Junior Boys.
100 YARDS DASH. Senior Boys.

FOLK DANCES.

1. Carrousel.
2. Chimes of Dunkirk.
3. Maypole and Kinderpolka.

SHUTTLE RELAY RACE. Junior Boys.

QUOIT RELAY RACES.

- (a) Sub Junior Boys.
- (b) Junior Girls.

FOLK DANCES.

- 1. Ostende.
- 2. Highland Schottische.
- 3. How Do You Do?

ORGANIZED PLAY AND GAME PERIOD.

Each playground will show some of the games which have been practised during the season.

COMBINATION RACES.

- (a) Junior Boys.
- (b) Senior Boys.

SACK RACE.

DIAMOND RELAY RACES.

- (a) Boys.
- (b) Girls.

SPECIAL FOLK DANCE.:

- (a) Green Sleeves — Gore, Mill Pond and Morse Playgrounds.
- (b) Gathering Peascods — Broadway and Cambridge Field Playgrounds.
- (c) Csardas — Thorndike Field Playground.
- (d) Vingaker Schottische — Rindge and Merrill Playgrounds.

SINGING OF "STAR SPANGLED BANNER."

In addition to the pressing need of equipment on all playgrounds (Thorndike Field excepted), I desire to call attention to the scant appropriation that is made for a season's supplies. The annual appropriation for general expenses is \$700.00. Of this amount, \$175.00 is expended for the music, prizes, special oars and incidental expenses of the final demonstration day, leaving \$525.00 for the maintenance of ten playgrounds for an eight weeks' season. A very conservative estimate would place the number of different children daily using the playgrounds at not less than 2500. This means that the cost per child for material used throughout the season is \$0.21, or less than three cents per week. The appropriation for salaries is \$3000.00, the cost per week per child for instruction is \$0.15. The teachers' salaries are by no means excessive, but, if it is not possible to increase the total of the combined appropriations, I recommend that the number of teachers appointed be lessened as vacancies may occur, and whatever salary appropriation be gained in this way be transferred to the general

expense account. There is very little material with which to begin another season's work and an appropriation of at least \$1000.00 will be needed for the general expense account.

In closing I desire to express my appreciation of the generous aid given at department headquarters by the Superintendent of Parks and the Secretary of the Board.

Appended are the general statistics of the summer's work.

PLAYGROUNDS

Gore School	Thorndike Field	Broadway Common
Merrill School	Cambridge Field	Fresh Pond
Roberts School	Rindge Field	
Morse School	Mill Pond	
Length of Season	July 6 — August 28, 8 weeks, 5 days per week	

ATTENDANCE BY WEEKS

Mill Pond	2,105	1,880	1,985	1,385	1,715	1,590	1,410	1,150
Morse	520	490	355	428	542	320	432	361
Merrill	555	695	563	531	604	544	522	527
Fresh Pond	79	139	101	76	160	65	115	—
Roberts	390	482	252	177	(discontinued)			
Broadway	924	895	660	552	961	826	610	670
Cambridge Field.	3,655	3,400	3,135	3,475	4,150	3,870	2,800	2,740
Rindge Field	3,225	1,595	1,905	1,835	1,425	1,240	1,190	1,195
Thorndike Field..	4,102	4,852	3,950	3,195	4,495	3,075	2,495	2,850
Gore	1,884	949	685	534	727	598	511	766
	<u>17,439</u>	<u>15,377</u>	<u>13,591</u>	<u>12,188</u>	<u>14,779</u>	<u>12,128</u>	<u>10,085</u>	<u>10,259</u>

TEACHING STAFF

Superintendent
 Assistant Superintendent
 Special Teacher for Folk Dancing
 Pianist
 12 Teachers
 14 Assistant Teachers
 5 Masters
 2 Submasters

FINANCIAL STATEMENT

APPROPRIATED

Salaries	\$3,000 00
General Expenses	700 00
Bequest of Mehitable Wilson.....	218 01
Total	<u>\$3,918 01</u>

EXPENDED

Athletic supplies, baseballs, volley balls, etc.....	\$287 59	
Car tickets, transportation, special cars.....	112 50	
Prizes, fobs, etc	50 00	
Prizes, middy blouses and jerseys.....	50 47	
Sand	13 64	
Reed, raffia, occupation material	53 58	
Payrolls	37 42	
Moving booth for swimming beach	38 55	
Hardware	83	
Lock for booth	49	
Music and specialties	12 80	
Bandstand	25 00	
Lime	1 22	
Hire of chairs	1 50	
Band for demonstration day.....	66 00	
Printing, programs and invitations	21 80	
Moving piano	6 00	
	<hr/>	
Total general expense.....	\$779 39	
Expended for salaries	\$3,117 00	
Total (for salaries and expenses).....	<hr/>	3,896 39
		<hr/>
Balance unexpended		\$21 62

Respectfully submitted,

TIMOTHY F. DOWNEY,

Supervisor of Playgrounds.

REPORT OF THE BOARD OF HEALTH

January 1, 1915.

To the Honorable, the City Council, of the City of Cambridge, Mass.:

The Board of Health submits its annual report for the year January 1-December 31, 1914, in accordance with Section 11 of Chapter 75 of the Revised Laws.

During the year the department met with a serious loss by the death of Allan F. Barnes, M. D., who for nine years had given the city faithful and efficient service as Bacteriologist.

In January the following regulation was adopted:

133. No person or firm shall sell, or offer, expose or keep for sale, in any shop, store, or other place, milk or cream, unless the same is sold, or offered, exposed or kept for sale, in tightly closed or capped bottles, or similar containers. Nothing contained herein shall prevent the sale of milk or cream from cans, coolers, or other receptacles in restaurants, hotels, or at soda fountains, when the milk or cream is to be consumed in the restaurant or hotel, or at the soda fountain.

No person or firm shall sell, or offer, expose or keep for sale at retail, milk or cream, in the room or store where same is put into bottles or receptacles.

This regulation shall go into effect on May 1, 1914.

The enforcement of this regulation abolished the old "dip-tank" method of selling milk in stores, with its attendant evils; and the report of the Inspector of Milk shows that the results have been good thus far.

In May, partly through the efforts of this department, the Legislature enacted the following:

CHAPTER 551. AN ACT TO REGULATE THE SALE OF SECOND-HAND ARTICLES OF CLOTHING IN THE CITY OF CAMBRIDGE.

Section 1. No person, firm or corporation shall engage in or continue the business, in whole or in part, of dealing in second-hand articles of clothing or other wearing apparel, mattresses or bedding in the city of Cambridge without a permit from the board of health of the city. The permits shall be issued for such time and under such conditions as the board of health shall determine.

Section 2. Whoever violates the provisions of this act shall be punished by a fine not exceeding one hundred dollars.

Under the authority granted by the above-mentioned Act, the Board of Health passed the following regulation:

134. In accordance with Chapter 551 of the acts of 1914, the Board of Health adopts the following conditions for permits to deal in second-hand clothing, mattresses, bedding, and so forth:

1. Each dealer shall keep an accurate record of articles bought for sale, giving the date and place (street and number) of purchase, and the articles bought.
2. All washable articles shall be thoroughly laundered before they are sold or offered for sale.
3. Articles which cannot be washed without injury shall be thoroughly fumigated in a manner satisfactory to the Board of Health, before being sold or offered for sale.
4. All articles and records shall be subject to the inspection of the Board of Health, or its agents, at any time. Articles condemned by the Board of Health, or its agents, shall be destroyed forthwith by the dealer.

At the same time the conditions under which permits were granted for rummage sales were revised, to read as follows:

1. An accurate record shall be kept of all articles, with the date, and street and number from which obtained.
2. No clothing or other material which comes from a house or apartment in which there is or has been within three weeks a case of contagious disease is to be sold or offered for sale.
3. All records and articles offered for sale are to be subject to the inspection of the Board of Health, or its agents, and articles condemned by them must not be sold.
4. This permit must be posted in a conspicuous place during the sale and returned to the Board of Health office on expiration.

In November the Board of Health recommended to the Mayor "that the present Diphtheria Hospital on Reservoir Street be abandoned on January first; that our diphtheria patients be sent to Brighton, thus doing away with an unsightly and inadequate structure, and possibly rendering the land taxable; that the question of construction of contagious hospital be held in abeyance for the present; and that the money still available under the Contagious Hospital Loan be expended for the construction of a permanent plant for tuberculosis on Concord Avenue, which is very much needed." It was further recommended that the department purchase a suitable motor ambulance for transferring cases. These matters are still under consideration; and it is to be hoped that the near future may see their accomplishment, as they seem to be for the best interests of the city.

Attention is called to the reports of the various sub-divisions of the department, which follow.

In closing, the Board feels that it would be remiss in its duty if it did not, as a whole, extend its thanks to the employees of the department for their co-operation.

Respectfully submitted,

JEREMIAH S. SULLIVAN,
GEORGE A. WHITE, M. D.,
ELIE H. LAPIERRE,

Board of Health.

EXPENDITURES AND RECEIPTS

EXPENDED FOR SALARIES

January 1—December 31, 1914

Medical Inspector	\$2,000 00	
Bacteriologist	900 00	
Clerk	1,196 40	
Secretary	936 00	
Social Worker	780 00	
Sanitary Inspectors	2,992 15	
Plumber	1,096 99	
Driver	1,039.14	
Inspector of Provisions	1,495 89	
School Nurses	1,846 33	
School Inspectors	2,000 00	
Additional Inspector of Slaughtering	665 00	
		<hr/>
		\$16,947 99

EXPENDED FOR GENERAL EXPENSES

January 1—December 31, 1914

Board and care :		
Diphtheria	\$34 50	
Scarlet Fever	9,250 50	
Tuberculosis	40 86	
Typhoid Fever	448 15	
		<hr/>
		\$9,774 01
Reimbursement of other cities and towns, and of the Commonwealth:		
Diphtheria	\$1,131 57	
Measles	18 00	
Scarlet Fever	1,801 47	
Tuberculosis	1,983 51	
Typhoid Fever	89 00	
		<hr/>
		5,023 61
Burning of dead animals.....	74 88	
Car tickets	800 00	
Collection of cultures	162 00	
Directories	10 00	
Disinfecting and inspecting supplies	333 13	
Express and freight	1 49	
Harness, wagon and ambulance, repairs and main- tenance	6 88	
Horse board, storage and hire	451 78	
Horse shoeing, etc.	52 93	
Ice	57 28	
Laboratory supplies	201 94	
Printing, postage, stationery and office supplies..	530 77	
Public sanitarries	9 43	
Service of orders	56 44	
Telephones	126 81	
Services of temporary bacteriologist	198 00	
Incidentals	57 14	
		<hr/>
		\$17,928 52

EXPENDED FOR TUBERCULOSIS HOSPITAL

January 1—December 31, 1914

Physician	\$1,200 00	
Interne	510 97	
Matron	832 00	
Nurses	2,600 99	
Caretaker	624 00	
Night watchman	622 29	
Cook	479 71	
Assistant cook	378 00	
Dishwasher	324 00	
Laundress and assistant	573 00	
Maid	324 00	
Scrub woman	378 00	
		\$8,846 96 -
Electric light and power.....	795 91	
Express	14 28	
Fuel	1,674 48	
Garden supplies	7 35	
Groceries and provisions.....	8,347 69	
Household supplies and furnishings.....	639 65	
Ice	334 27	
Medical and nursing supplies.....	889 97	
Milk	2,454 55	
Painting hospital and shacks.....	473 30	
Repairs	211 06	
Services—orthopedic cases	75 00	
Stationery and postage	84 79	
Telephones	86 55	
Incidentals	58 35	
		\$24,994 16

EXPENDED FOR DIPHTHERIA HOSPITAL

January 1—December 31, 1914

Salaries:

Physician	\$1,200 00	
Matron	780 00	
Nurses	1,676 40	
Janitor	788 20	
Cook	359 00	
Laundress	312 00	
House servant	312 00	
		\$5,427 60
Express	49	
Fuel	231 36	
Gas	91 25	
Groceries and provisions	1,466 90	
Household supplies and furnishings	80 11	
Ice	70 32	
Medical and nursing supplies	134 00	
Milk	247 05	
Stationery and postage	12 91	
Telephone	52 11	
Incidentals	1 12	
		\$7,815 22

EXPENDED FOR INSPECTION OF MILK AND VINEGAR

January 1—December 31, 1914

Salaries:

Inspector	\$1,200 00	
Collection of samples	810 00	
	<hr/>	\$2,010 00
Car tickets		70 00
Printing, postage and stationery		94 46
Supplies		104 94
Incidentals		9 69
	<hr/>	\$2,289 09

EXPENDED FOR MODIFIED MILK

January 1—December 31, 1914

Salaries:

Modifying milk	\$219 42	
Nurses	196 12	
Washing bottles	81 43	
Distributing milk	134 28	
	<hr/>	\$631 25
Printing, postage and stationery		30 72
Supplies		773 86
	<hr/>	\$1,435 83

RECEIPTS

January 1—December 31, 1914

Board paid directly by patients:

Diphtheria	\$85 86	
Scarlet fever	281 64	
Tuberculosis	1,555 55	
Typhoid fever	24 00	
	<hr/>	\$1,947 05

Reimbursement from other cities and towns, and from the Commonwealth:

Diphtheria	\$656 81	
Rabies	25 00	
Scarlet fever	2,607 97	
Tuberculosis	4,559 62	
Typhoid fever	333 57	
	<hr/>	8,182 97
Tuberculosis subsidy		7,462 89
Miscellaneous		1 65
	<hr/>	\$17,594 56

		Board	Reimburse- ment	Subsidy	Totals
Diphtheria	Expended Received	\$7,849.72 85.86	\$1,131.57 656.81	..... .....	\$8,981.29 742.67
Measles	Expended Received	..... .....	18.00 .....	..... .....	18.00
Rabies	Expended Received	..... .....	..... 25.00	..... .....	..... 25.00
Scarlet fever	Expended Received	9,250.50 281.64	1,801.47 2,607.97	..... .....	11,051.97 2,889.61
Tuberculosis	Expended Received	25,035.02 1,555.55	1,983.57 4,559.62	..... \$7,462.89	27,018.59 13,578.06
Typhoid fever	Expended Received	448.15 24.00	89.00 333.57	..... .....	537.15 357.57

KITTIE L. MAGOUN,
Secretary.

VITAL STATISTICS

DEATH RATE PER 1,000 LIVING FROM ALL CAUSES
POPULATION, 111,124

1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
14.79 15.56	14.80 15.77	15.21 15.28	16.06 13.71	14.71 14.97	14.99 15.43	15.15 15.97	13.01 14.05	13.41 14.12	13.07 13.76

For many years it has been the custom in this office to compute the death rate from the number of deaths of Cambridge residents, that is to say, by excluding from the total deaths the number of non-residents who died in this city, and to include the number of deaths of residents who died outside of Cambridge. We believe the resulting figures have been very nearly accurate.

In order to make our statistics comparable with those of the large cities and towns, and in accord with the method used by the United States Census Bureau, we follow the practice inaugurated last year, of basing our figures on the number of deaths actually occurring in Cambridge. Therefore, to avoid confusion, as far as possible, the ten year table given above gives the figures as obtained by both methods. Those in the upper line are based on the actual number of deaths in the city, those in the lower line on the number of deaths of Cambridge residents alone, no matter where they died.

It will be seen that the figures of the new method are more to our advantage than are those of the old.

The figures given for the population are estimated by the method adopted by the Bureau of the Census, and given as Method V on page 9 of Bulletin No. 108, by using the figures of the Massachusetts census of 1905, and the United States census of 1910.

Male death rate for 1914	14.13	15.10
Female death rate for 1914.....	12.11	12.38
Mean annual death rate for the ten years 1905 to 1914 inc....	14.52	15.06

In this table the first column of figures is derived from the total number of deaths in the city, the second by excluding non-residents and including residents of Cambridge who died outside the city.

Table A gives the causes of deaths by ages in accordance with the International Classification of Causes of Death of those persons only who died in Cambridge, and includes non-residents.

Table B gives the number of cases reported, the morbidity per 1,000 living, the death rate per 1,000 living, including residents who died outside of Cambridge, and the death rate per 100 cases reported of diphtheria, scarlet fever, measles and typhoid fever for the years 1905 to 1914, inclusive. If the death rate per 1,000 living computed from deaths in the city only varies from that given in the table the fact is stated in a footnote.

Table C gives the death rates per 1,000 living for cancer, diarrheal diseases, whooping cough, bronchitis, pneumonia and tuberculosis for the years 1905 to 1914, inclusive, for Cambridge residents, and Table C I the same information for the year 1914 of those dying in the city, including non-residents.

The actual number of births reported to the City Clerk for the year 1914 was 3,058, which gives a birth rate of 26.60 per thousand persons. With 244 deaths under one year the rate of infant mortality would be 8.25 per hundred births.

Of the 3,058 births recorded, 2,574 belonged strictly to Cambridge. Using this number we get a birth rate of 23.16 per thousand persons and an infant mortality of 9.48 per hundred.

BRADFORD H. PEIRCE, M.D.,

Medical Inspector.

TABLE A

[illegible]

TABLE A-continued

CAUSES OF DEATH

[illegible]

TABLE A—Continued

CAUSES OF DEATH	Under 1																								Under 5		5 to 10		10 to 15		15 to 20		20 to 30		30 to 40		40 to 50		50 to 60		60 to 70		70 to 80		80 to 90		Over 90		Total		Total
	Under 1												Under 5		5 to 10		10 to 15		15 to 20		20 to 30		30 to 40		40 to 50		50 to 60		60 to 70		70 to 80		80 to 90		Over 90		Total														
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F																	
III. Diseases of the Nervous System and Other Organs of Special Sense—Continued																																																			
65. Softening of the Brain																																																			
66. Paralysis (undefined)																																																			
67. General Paralysis of the Insane																																																			
68. Other Forms of Mental Alienation																																																			
69. Epilepsy																																																			
70. Convulsions (non-puerperal)																																																			
71. Convulsions of Children																																																			
72. Chorea																																																			
73. Neuralgia and Neuritis																																																			
74. Other Diseases of Nervous System																																																			
75. Diseases of the Eye and Its Accessories																																																			
76. Diseases of the Ear																																																			
III. Diseases of the Circulatory System																																																			
77. Pericarditis																																																			
78. Endocarditis, Acute																																																			
79. Organic Diseases of Heart																																																			
80. Angina Pectoris																																																			
81. Diseases of Arteries																																																			
82. Embolism and Thrombosis																																																			
83. Diseases of Veins																																																			
84. Diseases of Lymphatic System																																																			
85. Hemorrhages (except of Lungs)																																																			
Other Diseases of Circulatory System																																																			
IV. Diseases of the Respiratory System (Except Tuberculosis)																																																			
86. Diseases of Nasal Fossae																																																			
87. Diseases of the Larynx																																																			
88. Diseases of the Thyroid Body																																																			
89. Acute Bronchitis																																																			
90. Chronic Bronchitis																																																			

TABLE A—Continued

[illegible]

CAUSES OF DEATH

[illegible]

TABLE A—Continued

CAUSES OF DEATH	Under 1		1 to 2		2 to 3		3 to 4		4 to 5		Total Under 5		5 to 10		10 to 15		15 to 20		20 to 30		30 to 40		40 to 50		50 to 60		60 to 70		70 to 80		80 to 90		Over 90		Total		Total			
	Under 1		1 to 2		2 to 3		3 to 4		4 to 5		Total Under 5		5 to 10		10 to 15		15 to 20		20 to 30		30 to 40		40 to 50		50 to 60		60 to 70		70 to 80		80 to 90		Over 90		Total		Total			
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
XIII. Violence. (Continued.)																																								
168. Absorption of Deleterious Gases (Conflagration excepted)	1										1																													
169. Accidental Drowning																																								
170. Traumatism by Fire Arms																																								
171. Traumatism by Cutting Instruments																																								
172. Traumatism by Fall																																								
173. Traumatism in Mines and Quarries																																								
174. Traumatism by Machines																																								
175. Traumatism by Other Crushing (Vehicles, Landslides, Etc.)																																								
176. Injuries by Animals																																								
177. Starvation																																								
178. Excessive Cold																																								
179. Effects of Heat																																								
180. Lightning																																								
181. Electricity (except Lightning) . .																																								
182. Homicide by Firearms																																								
183. Homicide by Cutting Instruments																																								
184. Homicide by Other Means																																								
185. Fractures, cause not specified . .																																								
186. Other External Violence																																								
XIV. Ill-Defined Diseases																																								
187. Ill-defined Organic Disease . . .																																								
188. Sudden Death																																								
189. Non-specified or Ill-defined Causes of Death	#1	1									2																													
Still-born	142	102	32	30	8	10	2	6	2	197	146	14	6	15	10	12	22	42	47	57	61	82	63	87	70	114	104	85	96	34	66	5	17	547	562	1452	744			
	66	36																																						

*Exact age unknown.

Males
Females

744
708
1452

TABLE B.

	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
Diphtheria	Number of cases reported.....									
	Morbidity per 1,000 living.....	350	517	422	278	310	397	264	219	233
	Death-rate per 1,000 living.....	3.59	5.23	4.15	2.69	2.96	3.72	2.44	1.997	2.10
	Case death-rate, percentage.....	0.27	0.26	0.34	0.20	0.24	0.41	0.24	0.146	0.18
Scarlet Fever	Number of cases reported.....	7.71	5.02	8.29	7.55	8.06	11.08	9.85	7.31	8.58
	Morbidity per 1,000 living.....									
	Death-rate per 1,000 living.....									
	Case death-rate, percentage.....									
Measles	Number of cases reported.....	150	166	495	365	349	213	157	129	332
	Morbidity per 1,000 living.....	1.53	1.68	4.86	3.53	3.33	2.00	1.45	1.176	2.99
	Death-rate per 1,000 living.....	0.04	0.06	0.11	0.14	0.05	0.06	0.02	0.018	0.045
	Case death-rate, percentage.....	2.66	3.62	2.22	3.84	1.43	2.82	1.27	1.55	1.51
Typhoid Fever	Number of cases reported.....	112	631	1,197	542	287	605	1,015	1,085	703
	Morbidity per 1,000 living.....	1.14	6.38	11.76	5.25	2.74	5.67	9.39	9.897	6.33
	Death-rate per 1,000 living.....	0.05	0.05	0.10	0.03	0.04	0.12	0.09	0.109	0.13
	Case death-rate, percentage.....	4.46	0.79	0.83	0.55	1.39	2.15	0.99	1.106	1.99
Typhoid Fever	Number of cases reported.....	111	128	87	75	70	56	55	105	51
	Morbidity per 1,000 living.....	1.13	1.29	0.85	0.73	0.67	0.53	0.51	0.958	0.46
	Death-rate per 1,000 living.....	0.19	0.19	0.11	0.10	0.12	0.05	0.05	0.119	0.027
	Case death-rate, percentage.....	17.11	14.84	12.64	13.33	18.57	8.93	9.09	12.38	5.88

The death rate per 1000 for those dying in Cambridge was, for diphtheria, 0.153; scarlet fever, 0.018; measles, 0.126; and typhoid fever, 0.018.

TABLE C.

[illegible]

Table D, 1914

		Diphtheria	Scarlet Fever	Measles	Typhoid Fever	Pulmonary Tuberculosis	Other Forms Tuberculosis	Chicken Pox	Whooping Cough	Anterior Poliomyelitis	Epidemic Cerebro-Spinal Meningitis	Ophthalmia Neonatorum	Suppurative Conjunctivitis	Tetanus	Trachoma	German Measles	Trichinosis	Totals
January 1, 2, 3....	Week ending:	1	4	7	...	3	...	3	2	...	...	1	...	...	...	...	...	21
January	10....	10	6	18	2	1	1	9	14	...	...	...	...	...	...	...	...	61
	17....	2	4	22	...	6	...	21	15	...	...	...	...	...	...	...	...	70
	24....	3	...	22	1	3	3	4	13	...	...	...	...	...	...	...	...	49
	31....	3	8	20	1	5	2	12	6	...	...	...	...	...	...	...	...	57
February	7....	8	11	10	...	4	1	13	7	...	...	...	...	...	...	...	...	54
	14....	4	5	22	2	...	1	6	10	...	...	...	...	...	...	...	...	50
	21....	5	8	23	...	3	1	7	2	...	...	...	...	...	...	...	...	43
	28....	3	6	22	...	3	...	13	24	...	...	1	...	...	...	...	...	72
March	7....	4	15	44	...	7	3	9	13	...	...	1	...	...	...	...	...	96
	14....	5	14	29	...	8	...	4	8	...	...	1	...	...	...	...	...	69
	21....	5	21	23	...	6	...	4	5	1	...	...	...	...	...	...	...	65
	28....	4	5	37	2	9	...	10	6	...	...	1	...	...	...	...	...	74
April	4....	4	14	32	1	6	2	5	20	...	...	...	...	...	...	...	...	84
	11....	8	14	40	...	12	1	3	13	...	2	...	...	...	...	...	...	93
	18....	3	6	40	1	6	5	4	7	...	...	3	...	...	...	...	...	75
	25....	1	14	35	...	4	2	7	14	...	...	1	...	...	...	...	...	78
May	2....	1	10	23	1	8	1	4	7	...	...	...	...	...	...	...	...	53
	9....	4	15	22	...	5	1	6	12	...	...	2	...	...	...	...	...	67
	16....	3	11	22	1	5	...	6	13	...	1	1	...	...	...	...	...	63
	23....	2	20	18	...	4	1	3	6	...	...	...	...	...	...	...	...	57
	30....	3	7	6	...	4	1	13	9	...	...	...	...	...	...	...	...	43
June	6....	1	7	16	2	5	1	8	1	...	...	...	...	...	...	...	...	41
	13....	2	8	6	...	6	1	2	4	...	...	...	...	...	...	...	...	29
	20....	8	1	5	...	5	1	3	2	...	...	1	...	...	...	...	...	29
	27....	9	6	4	1	5	1	2	4	...	1	...	...	...	...	1	...	34
July	4....	2	4	4	...	4	1	3	...	...	1	...	...	...	...	...	...	19
	11....	5	6	1	...	6	1	3	1	...	...	1	...	...	...	1	...	25
	18....	1	2	4	...	5	1	...	4	...	...	1	...	...	...	...	...	18
	25....	2	...	2	1	8	...	2	6	...	...	...	...	...	...	2	...	23
August	1....	3	2	4	...	5	1	...	1	...	...	1	...	...	...	...	...	17
	8....	5	2	1	1	1	...	...	1	...	...	1	...	...	...	...	...	12
	15....	1	...	1	2	4	1	...	6	...	...	1	...	...	...	...	...	16
	22....	...	...	...	1	1	...	1	2	...	...	...	...	...	...	...	...	5
	29....	2	2	1	...	4	1	...	...	...	...	...	...	...	...	...	...	10
September	5....	2	1	4	2	7	1	2	3	1	...	...	...	...	...	...	...	23
	12....	4	1	...	2	2	1	...	...	...	...	...	...	...	...	...	...	10
	19....	1	2	1	2	1	...	...	1	...	...	1	...	...	...	1	...	10
	26....	2	6	3	1	6	1	2	4	...	...	1	...	...	...	1	1	28
October	3....	11	6	...	3	1	1	2	2	...	...	...	...	...	...	...	...	25
	10....	3	5	1	5	7	1	1	...	...	...	1	...	...	...	...	...	24
	17....	5	1	8	5	8	...	2	3	1	...	...	...	...	...	...	...	33
	24....	6	4	5	2	2	2	9	...	...	...	2	1	...	...	1	...	34
	31....	4	1	10	...	4	2	2	1	...	...	1	...	...	...	...	...	25
November	7....	6	6	3	1	3	2	12	1	...	...	1	...	...	...	...	...	35
	14....	5	3	9	1	9	...	6	4	...	...	1	...	...	...	...	...	38
	21....	6	6	7	2	3	4	21	2	...	...	1	...	...	...	...	...	52
	28....	10	1	7	1	9	1	9	...	...	...	1	...	...	...	1	...	40
December	5....	7	5	13	1	6	1	43	1	...	...	...	...	...	...	...	...	77
	12....	9	4	14	...	4	...	23	4	...	...	...	...	...	...	...	...	58
	19....	11	7	14	2	6	...	16	2	...	...	...	...	...	...	...	...	58
	26....	5	3	10	1	2	...	4	4	...	...	...	...	...	...	...	...	29
Dec. 27, 28, 29, 30, 31		9	9	8	...	2	1	3	2	...	...	...	...	...	...	...	...	34
Totals		233	332	703	51	253	57	347	292	3	5	28	1	...	...	8	1	2314

German measles was declared by the State Department of Health to be a reportable disease on June 1, 1914, and Suppurative Conjunctivitis on September 22, 1914.

TABLE E—1914

Ward Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Totals

DIPHTHERIA	1	.....	3	2	.....	1	2	.....	.....	4	4	4	.....	20
	2	6	3	2	3	.....	1	.....	.....	.....	5	3	2	25
	3	1	6	5	2	1	2	3	4	4	1	4	6	39
	4	3	4	1	2	4	2	2	3	.....	6	2	2	31
	5	.....	.....	.....	4	.....	.....	.....	1	2	1	4	3	15
	6	.....	.....	3	1	1	1	1	.....	2	2	.....	.....	11
	7	2	.....	3	1	.....	.....	.....	1	1	3	5	17	33
	8	2	.....	3	.....	1	1	.....	1	.....	1	1	3	13
	9	2	.....	.....	1	.....	6	4	.....	.....	1	3	4	21
	10	.....	3	.....	.....	2	4	1	.....	.....	.....	1	2	13
	11	3	1	1	.....	3	1	1	.....	.....	.....	2	.....	12
Totals		19	20	20	14	13	20	12	10	13	24	29	39	233
SCARLET FEVER	1	.....	2	3	6	8	.....	.....	1	3	.....	.....	.....	23
	2	2	1	5	2	4	4	1	.....	.....	.....	.....	2	21
	3	3	4	9	5	5	.....	.....	.....	1	.....	1	2	30
	4	.....	4	5	2	6	1	2	1	2	.....	.....	.....	23
	5	2	4	5	5	1	1	.....	.....	1	.....	1	4	24
	6	5	9	7	4	7	2	2	1	3	3	2	6	51
	7	3	1	5	5	4	3	.....	.....	1	2	3	6	33
	8	1	2	4	6	2	1	3	.....	1	1	3	2	26
	9	4	.....	8	4	5	8	.....	.....	1	3	2	2	37
	10	.....	1	4	1	.....	.....	1	.....	1	1	2	3	14
	11	2	2	8	8	13	7	2	2	1	2	3	.....	50
Totals		22	30	63	48	55	27	11	5	15	12	17	27	332
MEASLES	1	27	12	6	5	.....	2	3	1	.....	3	3	1	63
	2	20	11	6	3	.....	.....	.....	2	2	6	2	1	53
	3	3	4	6	4	6	5	.....	2	2	.....	10	34	76
	4	1	8	26	8	2	.....	4	.....	2	14	7	4	76
	5	3	4	15	16	8	.....	.....	.....	.....	.....	.....	2	48
	6	5	5	28	42	10	3	1	.....	.....	1	5	13	113
	7	13	20	37	14	13	4	2	.....	.....	.....	.....	.....	103
	8	10	9	16	32	7	3	.....	.....	.....	.....	.....	.....	77
	9	7	4	2	12	8	1	.....	.....	.....	.....	.....	2	36
	10	.....	.....	1	15	17	7	2	.....	.....	.....	.....	.....	42
	11	.....	.....	.....	3	3	7	2	.....	.....	.....	1	.....	16
Totals		89	77	143	154	74	32	14	5	6	24	28	57	703
TYPHOID FEVER	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	3	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	3
	4	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2
	5	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	2
	6	.....	1	.....	.....	1	.....	.....	2	2	6	.....	.....	12
	7	1	.....	2	1	.....	.....	.....	.....	1	2	1	.....	8
	8	1	.....	.....	.....	.....	1	.....	.....	.....	.....	1	1	4
	9	.....	.....	1	.....	.....	1	.....	.....	3	3	1	1	10
	10	.....	1	.....	.....	.....	1	1	1	1	1	1	.....	7
	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2
Totals		4	2	3	2	1	3	1	4	8	14	6	3	51

TABLE E—1914.—(Continued).

Ward Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Totals

WHOOPIING COUGH	1	3	1	2	12	6	.....	.....	1	.....	.....	1	.....	26
	2	5	.....	.....	.....	3	.....	1	1	.....	.....	.....	1	11
	3	3	8	2	4	5	.....	1	.....	3	.....	2	7	35
	4	1	5	12	2	2	2	5	5	3	4	5	1	47
	5	.....	.....	4	2	5	.....	.....	2	1	.....	.....	.....	14
	6	11	12	6	1	3	.....	2	.....	1	1	.....	2	39
	7	1	2	5	7	.....	2	.....	1	.....	.....	.....	.....	18
	8	5	4	8	6	4	.....	.....	.....	.....	.....	.....	1	28
	9	10	9	7	5	14	2	.....	.....	.....	.....	.....	.....	47
	10	4	2	2	.....	1	4	2	.....	.....	.....	.....	.....	15
	11	7	.....	.....	3	.....	1	1	.....	.....	.....	.....	.....	12
	Totals		50	43	48	42	43	11	12	10	8	5	8	12	292
CHICKEN POX	1	7	3	3	.....	1	1	.....	.....	.....	2	2	10	29
	2	6	.....	1	2	.....	.....	.....	.....	.....	.....	.....	3	12
	3	3	6	3	.....	3	1	.....	.....	.....	3	.....	3	22
	4	11	1	3	5	5	2	2	1	.....	.....	.....	2	32
	5	3	1	.....	.....	11	7	2	.....	1	.....	3	5	38
	6	14	16	6	4	2	.....	.....	.....	2	.....	.....	.....	44
	7	.....	7	2	2	1	.....	.....	.....	.....	1	2	.....	15
	8	1	.....	6	5	.....	.....	.....	.....	2	2	4	10	30
	9	3	5	2	1	4	2	2	.....	.....	.....	17	22	58
	10	.....	.....	.....	.....	1	2	1	.....	.....	.....	11	11	26
	11	1	.....	3	2	.....	1	.....	.....	1	6	18	14	46
	Totals		49	39	29	21	28	16	7	1	6	14	57	80	347
TUBERCULOSIS (All Forms)	1	3	1	2	4	1	3	1	1	2	2	2	1	23
	2	4	.....	.....	2	5	1	2	.....	3	1	.....	3	21
	3	1	3	2	2	4	3	5	1	1	3	6	3	34
	4	1	2	4	7	5	4	4	1	1	1	4	5	39
	5	3	.....	1	4	.....	2	.....	1	3	4	3	1	22
	6	1	2	8	7	1	7	6	4	.....	3	6	1	46
	7	4	.....	6	4	4	4	6	1	2	3	.....	2	36
	8	2	1	3	3	2	.....	1	3	3	1	3	.....	22
	9	2	1	3	4	2	2	2	1	1	2	2	1	23
	10	1	2	3	2	.....	.....	.....	.....	2	3	.....	.....	13
	11	3	2	3	1	3	1	2	.....	2	4	5	4	30
	Unk'wn		1
Totals		25	14	35	40	27	27	29	14	20	27	31	21	310

TABLE F—1914

[illegible]

DISEASES DANGEROUS TO THE PUBLIC HEALTH

No great change occurred in the total number of diseases dangerous to the public health reported this year. There were 2,314 in all, 21 less than in 1913, but 218 more than in 1912 and 409 more than in 1911. There was a great falling off in the number of cases of measles, but other diseases, notably scarlet fever and diphtheria, showed a great increase.

Table B gives the number of cases reported and the death rates for diphtheria, scarlet fever and measles, corrected according to the figures given by the latest census. The footnote shows the actual death rate for these diseases, that is, considering the deaths in Cambridge, including non-residents and excluding those dying outside of Cambridge although their homes were here.

Table D gives the cases of diseases as reported each week.

Table E gives the cases as reported by wards each month.

Table F gives the cases according to age and sex distribution.

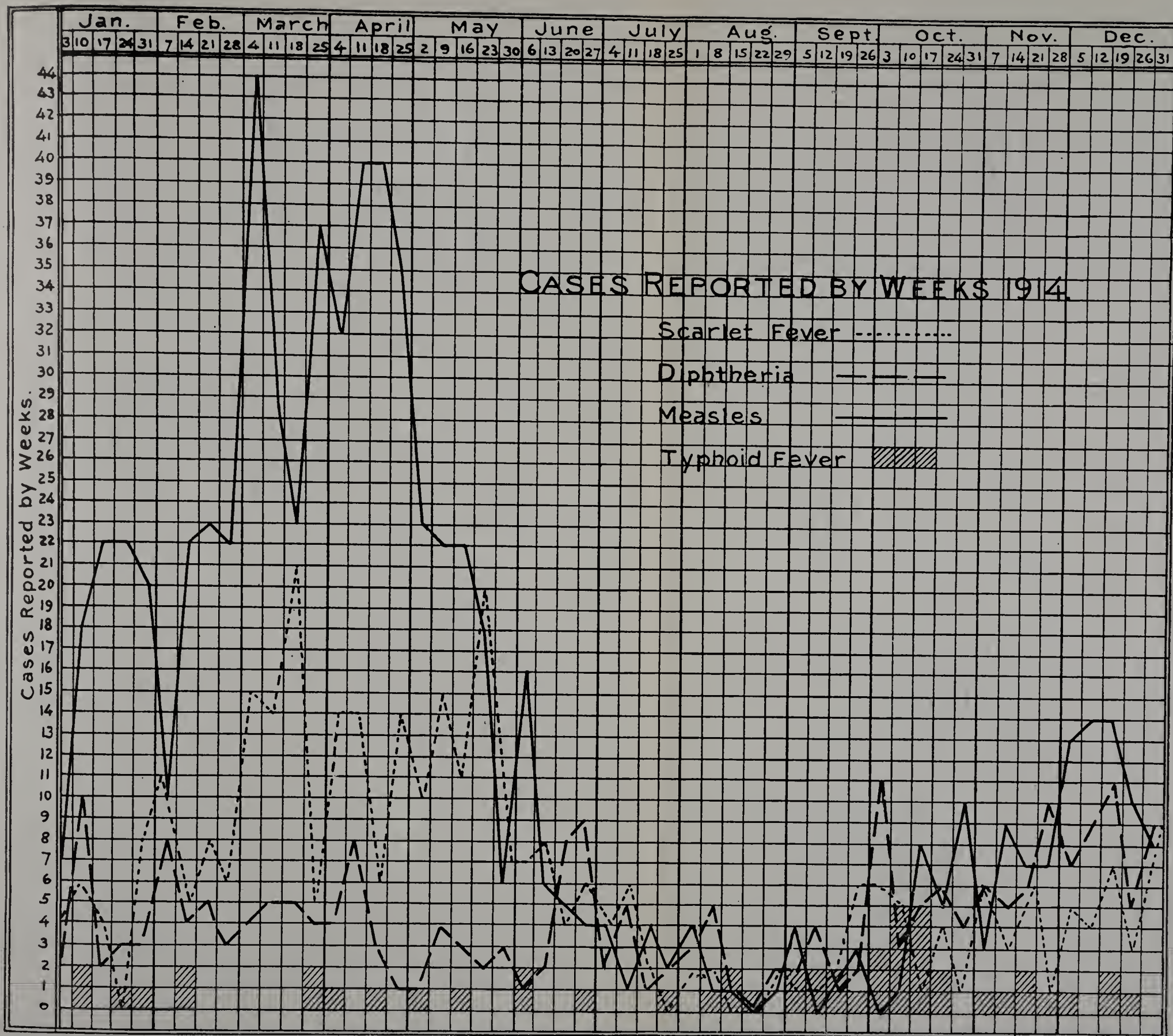
DIPHTHERIA

In 1914, 233 cases of diphtheria were reported; in 1913, 219, and in 1912, 264. The cases developed fairly regularly and we had no epidemic. As usually happens, however, in all contagious diseases, the disease was less frequent during the summer months.

One hundred thirty-eight, or 59.2 per cent., of the 233 cases went to the hospital, where we had 6.85 for the average daily number of patients.

SCARLET FEVER

Scarlet fever in 1914 was quite different from the previous year, instead of 129 cases, as in 1913, we had 332. Between the first of March and the first of June 166, or just half of the total for the year, developed. From Table E it will be seen that this wave of scarlet fever in March, April and May was fairly well distributed throughout the city and seemed to be due to an accumulation of susceptible material, so to speak. No common cause for such a wave could be found. One hundred fifty-one, or 45.5 per cent., of the cases went to the hospital.



DISEASES DANGEROUS TO THE PUBLIC HEALTH.

MEASLES

In 1912 we had 1,015 cases of measles, in 1913, 1,085, but this year the number dropped to 103. As in the previous year, the highest part of the curve occurred in the months of March and April, dropping off rapidly in May and June.

The upper end of the city was notably free from this disease.

TYPHOID FEVER

Only 51 cases of typhoid fever were reported in 1914. There was no epidemic. An occasional case developed up to September. In September and October we had a small amount of "vacation typhoid," following which the incidence dropped off again. Twenty-seven, or 52.9 per cent., of the cases were sent to the hospital.

TUBERCULOSIS

Of all forms of tuberculosis 310 cases were reported, 13 less than last year. Seventeen of them were reported at death only. Of these 3 death certificates were signed by the Medical Examiner, 9 meningitis, 1 acute tubercular pneumonia, and 4 pulmonary, of which one was first seen by a physician only a few hours before death, and one only two days previous to death.

Thirteen others left Cambridge almost immediately, so we could have offered treatment to 280 of the 310 cases. Of these 280 cases 150, or 53.5 per cent., were admitted to hospitals, 119, or 42.5 per cent., to our own, and 31, or 11.0 per cent., to others.

The average daily number of patients at our hospital was 60.65. In the last few months of the year we took care of about 70 patients a day.

OTHER REPORTABLE DISEASES

With the exception of chicken pox and whooping cough, the diseases required to be reported showed considerable falling off.

They were as follows:

Chicken pox	347.	119 more than 1913
Whooping cough	292,	96 more than 1913
Anterior poliomyelitis	5,	4 less than 1913
Epidemic cerebro spinal meningitis.....	5,	1 more than 1913
Ophthalmia neonatorum	28,	7 less than 1913
Tetanus	0,	2 less than 1913
Trachoma	0,	2 less than 1913
Trichinosis	1,	1 more than 1913
German measles	8.	} See note under Table D.
Suppurative conjunctivitis	1	

In August several persons were bitten by a rabid dog. All those exposed to infection were given treatment, and no cases of rabies in human beings developed.

BRADFORD H. PEIRCE, M.D.,
Medical Inspector.

BACTERIOLOGICAL LABORATORY

The following report of the Bacteriological Laboratory is hereby respectfully submitted:

The city sustained a very distinct loss during the year in the death of Allan F. Barnes, M.D., Bacteriologist to the Board for the past nine years. Under the earnest and untiring efforts of Dr. Barnes during his incumbency of this office, the work steadily grew until it assumed such proportions as to become an important factor in the health work of the city.

There was reported to the Board during the year 233 cases of diphtheria, 196, or 84 per cent., were confirmed by positive cultures in this laboratory. In 1912, 76 per cent., and in 1913, 88 per cent. of the reported diphtheria cases were confirmed by positive smears in the laboratory.

There was a decided decrease in the number of reports of "no growths" during the year, 13 against 43 in 1913. Very few cultures have been returned in which the media has almost wholly disappeared, yet which have been planted. The other "no growths" are due to fault in technique, either in getting good swab, or in planting on the media.

The number of cases of Typhoid Fever reported during the year was 51—this was 54 less than in the preceding year. The percentage of positive widal reactions was much less than in 1912 and 1913. This probably was due to the fact that a much larger number of reports of "suggestive reaction," or "atypical reaction," was sent out than in preceding years in those cases in which there was at the end of the reaction considerable agglutination, yet an appreciable number of motile organisms. There is still a tendency to send in blood for widal reaction too early in the disease.

The number of sputum examinations was slightly less than in 1913, but more than in 1912.

There was also a small number of examinations of blood for malaria, of pus for various organisms, and two smears from cases of ophthalmia neonatorum.

The total number of examinations for the year was 2,464.

DIPHTHERIA

	POSITIVE		NEGATIVE		No Growth	Total
	Diagnosis	Release	Diagnosis	Release		
January	16	15	91	37	2	161
February	17	9	81	33	1	141
March	17	13	66	35	0	131
April	8	11	80	44	3	146
May	11	1	52	14	0	78
June	18	13	34	24	2	91
July	13	16	39	56	1	125
August	10	7	24	23	1	65
September	11	5	34	17	0	67
October	12	10	60	35	1	118
November	29	7	59	50	1	146
December	34	11	71	77	1	194
Totals	196	118	691	445	13	1463

	TUBERCULOSIS			TYPHOID			Other Examinations	Total
	Positive	Negative	Total	Positive	Negative	Total		
January	16	52	68	2	6	8	0	76
February	10	43	53	2	10	12	0	65
March	22	46	68	0	12	12	0	80
April	23	55	78	1	12	13	0	91
May	28	77	105	0	14	14	0	119
June	17	43	60	0	16	16	4	80
July	27	41	68	0	20	20	2	90
August	17	49	66	0	22	22	1	89
September	15	35	50	3	30	33	0	83
October	23	33	56	0	18	18	2	76
November	28	41	69	0	15	15	1	85
December	13	38	51	0	15	15	1	67
Total	239	553	792	8	190	198	11	1001

WALTER C. FEELEY, M.D.,
Bacteriologist.

INSPECTION OF MILK AND VINEGAR

I respectfully submit the following report from the Department of Milk and Vinegar for the year 1914.

The total number of samples collected and examined was as follows:

Number of samples from wagons	991
Number of samples from stores	1,341
Number of samples brought in by milkmen and citizens.....	206
Number of samples examined bacteriologically	842
<hr/>	
Total milk samples	3,380
Number of vinegar samples	44
Number of butter samples	212
Number of ice cream samples	40
Number of sediment tests on milk	68
Number of cream samples	24
<hr/>	
Total samples examined	3,768

The total shows that 173 samples more were examined than last year, the increase arising chiefly in the number of butter samples examined and in the number of samples taken from stores and brought in by milkmen and citizens.

This latter increase seems to indicate an increased comprehension by the public of the activities of this department. This is encouraging, for one of our most effective means of improving the milk supply lies in educating the community, first in the importance of a pure milk supply, and secondly in the desirability of the dealer interesting himself to the extent at least of having his personal milk supply examined by this office.

The conditions in stores have improved greatly since the enforcement of the new regulation providing for the sale of bottled milk only. Where formerly milk cans were seen lying about the floor, often with the stoppers out and catching all the dust and dirt that might be floating about, now no loose milk is visible, the bottles are stored away in the ice-chest, and the milk is kept cool and sealed from the time the dealer delivers it until the consumer makes his purchase.

In this connection it is particularly worthy of note that the fat content of the milk from stores stood 3.64 per cent. this year, as against 3.37 per cent. last year. This betterment indicates clearly that under the bottle regulation the consumer receives milk of a more uniform quality and of a higher nutritive value than in the old days of the

filthy dip-tank. Furthermore, any opposition that developed at the time of the proposal of the bottle regulation has not only vanished, but it is a fact for congratulation that many of those who were most vehemently opposed are now enthusiastic supporters of this regulation. This is especially true of the storekeeper who finds that the handling of milk in the original bottle is a distinct relief.

The average fat content of all the milk seized this year was 3.69 per cent. with a total solid value of 12.32 per cent., as compared with 3.49 per cent. fat and 12.42 per cent. solids for last year, indicating a slight general improvement in the nutritive value of the supply this year.

A comparison of the milk seized from dealers as against that from stores shows the fat content of dealers' milk to be 3.74 per cent., while that from stores contained 3.64 per cent. fat. This slight difference as against the marked disparity of last year is not to be accounted for by any great increase in the quality of milk sold by dealers, but rather by the fact that storekeepers no longer have the opportunity to handle and pour the milk, resulting in the poor and improper mixtures that were formerly in evidence.

During the year numerous complaints made by citizens were investigated by this department. Among these were included the following:

- Dirty cases for milk bottles.
- Flies in milk.
- Dirty stores.
- Failure to ice milk properly.
- Dirty ice cream parlors.
- Unlicensed stores.

Examinations made for visible dirt in milk show an improvement over previous years, but there is still a large margin between the present state of the supply and the perfection to be reasonably desired. The exercise of constant cleanliness by all persons engaged in the production and distribution of milk should be considered a duty by them, and, if adhered to, would easily achieve the condition of perfection hoped for. Visible dirt invariably indicates uncleanness and is always accompanied by a high bacterial content. The prevention of such filth getting into the milk would remove one of the chief causes of high bacterial content.

Under the milk license law the department issued licenses as follows:

Stores	588
Wagons	76

The law requirement is definite and it is unfortunate that parties interested do not give the matter of annually renewing their license at the proper time the prompt attention it deserves.

This department in April sends notice to all holders of licenses about to expire, to the effect that such expiration of license occurs on June 1st next, and that a new license for the succeeding year must be taken out at once. The department is not required by law to send these notices, but does it of its own initiative for the best interests of all concerned. The fact that so many of the recipients of these notices fail to appreciate the courtesy compels the department to indicate that the statute provides a penalty for delinquents who fail to conform to this law.

Of all the cases prosecuted last year the majority were for the sale of milk below the standard. Two appealed and the rest were found guilty and fined, with the exception of one which was placed on file.

DAIRY INSPECTION

Section 1, Chapter 744, of the Acts of 1914, provides for the inspection of dairies and the issuance of a permit to producers of milk by the Board of Health. A recent decision of the attorney-general states that said permits must be issued and signed by the Board of Health, although said Board of Health may delegate some employee to do this work. This statute provides for an important adjunct to the work of safeguarding the milk supply, but to do it efficiently would require the entire services of at least one man as a dairy inspector. The magnitude of the work of inspection of dairies is readily comprehended when it is stated that one dealer has over 3,000 dairies, mostly outside this State, from any of which he is likely to distribute in this city. An effort now being made to have the State Board of Health undertake the work of inspecting and issuing permits to out-of-State dairies, thus confining the work of the local boards of health to in-state dairies would greatly simplify the task involved.

BACTERIOLOGICAL

For bacteria there were examined 842 samples. The results obtained were as follows:

Bacteria per cubic centimeter, 100,000 and less.....	58.8%
Bacteria per cubic centimeter, over 100,000 and less than 500,000...	23.9%
Bacteria per cubic centimeter over 500,000.....	17.3%

These figures show an improvement over last year, but not so much as was hoped for. It is appreciated that so many factors govern this feature of the milk supply that improvement must be slow and achieved only by constant effort.

The chief trouble continues to be initial contamination with filth, including dust, dirt, dried manure and unclean utensils at the farm and the subsequent multiplication of the bacteria by insufficient icing. It is appreciated that the elimination of conditions that vitiate the efforts of the department to purify the milk supply means vigilance and systematized procedure on the part of producers and dealers, and the importance of the milk supply as a measure of the ultimate health of the community is now becoming so generally appreciated by the citizens that the requirement of vigilance and carefulness is justified. Moreover, it is a fact that such producers and dealers as are now progressively striving to do their part in perfecting the milk supply find their reward in the increased appreciation by the consumer of the purity and excellence of their particular product.

The milk from stores, while still showing as it always will, a higher bacterial content than the milk taken from dealers shows, nevertheless, a very noteworthy improvement. This improvement is doubtless due to the sale of the commodity in the original container and the discard of the use of the dip-tank and its inherent filthiness.

ICE CREAM

Forty samples of ice cream were examined and all but one found to conform to the statute requirements of not less than 7 per cent. of milk fat. This standard is one readily maintained, and there is no excuse for any sales of ice cream containing a less amount of milk fat. The use of ice cream is very great both by people in good health as well as by invalids, and the above standard is undoubtedly a low one. It is a fact that many large dealers in this commodity sell ice cream of 15 per cent. fat content in competition with others who are careful to put into their product just what the law compels them to do, and no more.

VINEGAR

There were collected and examined 44 samples of vinegar. All were found to be in excess of the statute requirement.

A recent court decision has practically extirpated the words "pure" and "fresh" from the wording of the statute "pure juice of fresh apples" and has practically legalized the addition of water to all vinegar. This is unfortunate as it is now the custom of practically all manufacturers of vinegar to dilute their fermented product with water to a uniform acidity of $4\frac{1}{2}$ per cent. of absolute acetic acid as required by law. In this connection, it might be well to re-enact the vinegar law into a form that would prohibit the characterization of the product by any description other than "fermented vinegar," and further requiring as now a minimum acidity of $4\frac{1}{2}$ per cent. of absolute acetic acid by weight.

BUTTER AND OLEOMARGARINE

Of butter and oleomargarine there were examined 212 samples. This is an increase of 239 per cent. over the number examined last year. All samples conformed to the statute requirements. In this connection, the effectiveness of the law requiring the stamping of the wrapper with words "renovated butter" or "oleomargarine," as the case may be, is worthy of note. In the beginning of the use of these products it was the custom of fraudulent storekeepers to sell them as butter, and the fraud was widespread. Under present conditions, inspection has practically eliminated this fraud from the community.

Nine oleomargarine licenses were issued by the department, and no infraction of the laws were observed.

MODIFIED MILK

The same five stations were opened for the distribution of modified milk. The work may be summarized as follows:

Total number of babies fed.....	135
Total number of bottles sent out.....	32,911
Largest number of babies fed in 1 day.....	82
Largest number of bottles sent out in 1 day.....	525

As before, Miss Rena Schlesinger was in charge of the laboratory and performed the work with her usual efficiency.

The figures indicate that mothers do not avail themselves of this great opportunity for advice, instruction, and material aid, to the extent that is warranted. The number of mothers who could, to the

advantage and material enhancement of the health of their infants, embrace the opportunity that the work of these stations affords is many times the number who actually do so.

Whether the failure to do so is due to ignorance, inertia or other inexcusable conditions, is unknown, but the fact remains, and it is earnestly urged that all participate in urging mothers to use these stations and co-operate in the effort to reduce infant mortality.

WILLIAM A. NOONAN, M.D.,

Inspector of Milk and Vinegar.

DIPHTHERIA HOSPITAL

The undersigned herewith submits the annual report and record of the Diphtheria Hospital for the year 1914.

On January 1, 1914, there remained in the hospital from the previous year three patients, two males and one female. In the year 1914 one hundred thirty-seven patients were admitted to the hospital, sixty-nine males and sixty-eight females. The ages of these cases were as follows:—

Over 21 years of age.....	7
Between 14 and 21 years.....	8
Between 5 and 14 years.....	69
Under 5 years of age.....	51

Cultures were analyzed according to the usual method in every case admitted, with the following results: 121 were confirmed positive and 26 negative. Of the negative series one case yielded evidence of acute tonsillitis, another was a most virulent case of septic diphtheria, eight were laryngeal types of diphtheria and the remaining sixteen negatives showed clinically certain proof of diphtheria.

Forty-seven patients were admitted suffering from stenosis of the larynx, and of this group thirty-nine cases were reported positive and eight negative.

Sixteen cases of laryngeal diphtheria required intubation; thirteen of these survived and three died.

Two cases of scarlatina were removed from the hospital during the year; one of these was admitted with a positive culture and remained in the hospital twenty-two days before any symptoms of scarlatina were manifest. This case was removed to the Homeopathic Hospital in Brighton. The other case was admitted without culture diagnosis and removed immediately to Somerville to its proper settlement. No other cases of scarlatina developed in the hospital during the entire year.

One case of pneumonia was found complicating the diphtheria infection; this case died.

Measles was discovered in one case admitted with laryngeal symptoms. After two days this patient was sent home on account of lack of provision for the case of this contagion.

One operation for abscess of the neck was performed, resulting in complete recovery.

The average period of time spent in the hospital for all cases was 18.25 days; the longest duration was 55 days, the briefest, one hour.

The total number of deaths for the year was thirteen—mortality 9.24 per cent.

Following is a tabulation of the duration period in the hospital of all fatal cases:—

1 case	1 hour
1 case	8 hours
2 cases	1 day
1 case	1½ days
1 case	2 days
1 case	3 days
2 cases	5 days
2 cases	8 days
1 case	12 days
1 case	19 days

A new record was made for the year 1914 in the percentage of cases admitted to the hospital. There were 233 cases of diphtheria reported to the Board of Health and 137 cases, or 58.8 per cent., were sent to this hospital. This is over 15 per cent. higher than the average, and may be regarded as an expression of the general feeling of confidence and willingness which is becoming prevalent among parents and those in charge, as well as among physicians, to co-operate with the Board of Health in their effort to isolate, as far as possible, every case of diphtheria. It is hoped that this high percentage will be increased during the coming year.

The present old building on Reservoir Street is rapidly outgrowing its usefulness as a hospital. Many extensive repairs are necessary in order to occupy for another winter with safety and comfort. A new and modern plant erected in a less populated section of the city, with provision for at least thirty beds each for the treatment of diphtheria and scarlatina, is, in my opinion, one of the most urgent matters confronting the Board of Health at this time.

PATRICK J. FLEMING, M.D.

TUBERCULOSIS HOSPITAL

I respectfully submit the following report of the work done at the Cambridge Tuberculosis Hospital during the year 1914.

On January 1, 1914, there remained in the hospital from the previous year 40 cases. During the present year we admitted 142 new cases, and readmitted 33 cases, making a total of 215 cases treated during the year.

RESIDENTS.

Of the 40 cases remaining from the previous year, two were patients of 1909, 1 of 1910, 2 of 1911, 4 of 1912 and 24 of 1913.

1909. Two; both were second stage patients, with positive sputa; have remained in the hospital most of the time. At the end of the year one was confined to bed, gradually failing, and the other showed gradual improvement.

1910. One; patient in second stage; shows no marked improvement, but no failing; condition remaining about the same; positive sputum; has remained almost continually at hospital.

1911. Two; second stage patients (moderately advanced); both left hospital against advice; went to work and returned as third stage patients. One is gradually failing and the other shows slight improvement.

1912. Four; two advanced, and two moderately advanced cases. Of the advanced cases, one is still resident, showing constant improvement. The other, after taking Friedman's cure, gradually ran down hill, and went home, where he died a short time later.

The other two were moderately advanced; one returned after a year at Westfield, advanced, and died shortly after entrance. The other, after slight improvement, went West.

1913. Twenty-four; three were admitted as incipient cases. One is still resident, some improvement; the other two were discharged arrested, one going to Russia, the other to work.

One case was moderately advanced, stayed about nine months, and was transferred to Somerville unimproved.

Twenty cases were advanced. Of the twenty cases eight were still resident at the end of the year. Four, all fairly elderly patients, show gradual loss of strength; one has developed carcinoma of the tongue and the other three show gradual improvement.

Three others were discharged, two quite improved and able to do light work, another showing only slight improvement.

One case was transferred to Rutland, improved and gaining in weight. Two more cases left the hospital without advice in bad condition, one death reported after leaving.

Five cases died after remaining various periods from five months to one year, being chronic fibroid phthisis cases in third stage.

The other case was a tubercular spine with draining sinuses. This patient gradually weakened and died, remaining one year and seven months.

READMISSIONS

Thirty-three cases were readmitted this year, as against eighteen last year. Three were patients of 1910, two of 1911, four of 1912, sixteen of 1913, and eight of 1914.

Incipient, four; one of 1910 and three of 1913. Three patients were transferred to Tewksbury. All showed marked improvement and gained in weight. The other patient, a hip case, left apparently cured after a stay of six months.

Moderately advanced, nine; one of 1910, two of 1911, two of 1912, and four of 1914. Six cases were originally admitted advanced, three being absent for a period of two to three months; the other two for three to four years. One is still resident. Two died shortly after admission; one left against advice, in poor condition; one discharged for leaving without permission, and the other went to Rutland, advanced. Three cases were admitted with the history of being run down. One is still resident, quite advanced, one discharged for alcoholism in fairly good condition. The other was discharged with marked improvement and went to work.

Advanced, twenty; two of 1912, eleven of 1913, and seven of 1914. Eleven cases on returning to hospital after various periods of absence, died shortly after readmission. Five cases left slightly improved, but returned run down. Three cases left against advice, and the other three desired a change in environment and were transferred, their con-

dition remaining about the same as on entrance. Four cases have remained resident, are showing an arrest in the disease and gradual improvement. One case, absent a year, was readmitted from Lakeville, left, stayed one month and was again transferred to Lakeville, condition slightly improved. Another case, after an absence of six months, was readmitted and State authorities took charge; no improvement. One case left hospital without permission, and was therefore discharged; condition improved. Another case went home and did not return; condition improved. Only one case was discharged well enough to return to work.

NEW CASES

During the year we admitted 142 new cases, as against 183 last year.

Stages. Eighteen patients were admitted as incipient cases, thirty-five as moderately advanced, and eighty-three as advanced cases.

Sex. Eighty-four males and fifty-eight females were admitted, as against one hundred and seven males and fifty-eight females in the year 1913.

Age.

5-10	10-20	20-30	30-40	40-50	50-60	60-70
3	27	43	31	18	7	3

The highest percentage between twenty and thirty years as every year before.

Social status. Fifty-nine were married; seventy-three were single; seven were widowed.

Nativity. Seventy-two were foreign born; seventy were born in the United States, fifty in Massachusetts, and nineteen in Cambridge. In the year 1913 forty-eight of the cases admitted were born in Cambridge.

Nationality. The majority of the patients were of Irish descent.

29 Irish American	2 Russian	1 Lettish
15 Irish	5 English	1 Finn
26 American	18 Canadian	2 Lithuanian
6 Jewish	2 French Canadian	1 Swedish
3 Portuguese	3 German	1 Syrian
5 Italian	1 Armenian	11 Negro
3 Greek	4 Pole	

Occupation.

13 Laborers	2 Brick-layers	2 Salesgirls
4 Clerks	6 Shoemakers	1 Porter
34 Housewives	3 Rubber workers	2 Painters
2 Stone cutters	1 Steam fitter	3 Machinists
2 Bookkeepers	9 Students	2 Bakers
5 Teamsters	1 Wood worker	1 Paper hanger
3 Shippers	2 Waitresses	1 Motorman
2 Salesmen	1 Teacher	1 Pedlar
3 Laundresses	2 Longshoremen	1 Lamp froster
3 Bookbinders	1 Janitor	1 Lumberman
1 Collar factory worker	1 Bootblack	1 Junk collector
1 Gardener	1 Stableman	1 Elevator man
2 Plumbers	1 Brakeman	2 Candy workers
1 Fisherman	1 Rag sorter	1 Jeweler

Source. Twenty-two cases gave a history of one or more cases in the immediate family. Thirteen cases gave a history of contact in some form or other.

Distribution of cases in the city wards. The largest number of cases came from Ward VI, the smallest number from Ward VIII.

Ward	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
Cases	4	14	12	16	3	18	10	1	5	6	17

AVERAGE, HIGHEST, AND LOWEST NUMBER OF PATIENTS EACH MONTH.

	Aver.	High	Low		Aver.	High	Low
January	56	60	54	July	61	66	58
February	59	61	57	August	63	67	61
March	62	66	60	September	62	69	56
April	59	61	56	October	56	59	55
May	63	67	62	November	57	62	54
June	60	65	57	December	63	65	62

CLINICAL FORMS.

Chronic pulmonary tuberculosis	112 cases
Acute pneumonic phthisis	14 cases
Miliary tuberculosis	1 case
Tubercular spine	3 cases
Tubercular hip	1 case
Tubercular enteritis	1 case
Tubercular peritonitis	1 case

COMPLICATIONS

Hemorrhage. Twenty-nine cases had one or more hemorrhages. There was no death from hemorrhage.

Diarrhoea. Three cases had tubercular enteritis as a complication.

Meningitis. There were two cases of meningitis occurring in the disease.

Laryngitis. Five cases had laryngitis as a complication.

Other forms. Other complications were pregnancy, 1; empyema, 1; cervical glands, 1; syphilis, 1; mastoid, 1; mitral regurgitation, 2; abscess of the jaw, 1; epilepsy, 1; pneumo-thorax, 1; cirrhosis of the liver, 1; tubercular pneumonia, 1.

Starting point of the disease. The left apex was the starting point in 47 cases, the right apex in 56 cases, the right base in 5 cases, and the left base in 12 cases.

Sputa. On entrance 78 sputa were positive and 46 negative.

RESULTS

Mortality. Forty-six cases were discharged dead.

Unimproved. Thirty cases were discharged unimproved.

Improved. Fifty-six cases were discharged with the disease improved.

Arrested. Forty-seven cases were discharged with the disease arrested.

Transferred. Six cases were transferred to Lakeville, 1 to the Somerville Tuberculosis Hospital, 2 to North Reading, 1 to the Cambridge Hospital, 1 to the Massachusetts Eye and Ear Infirmary, 1 to Tewksbury, 1 to Mattapan, 1 to Quincy and 2 to Rutland.

Resident. Forty-four cases remained in the hospital December 31, 1914, as against forty cases December 31, 1913.

FELIX F. McGIRR, M.D.

SCHOOL INSPECTION

The number of school physicians and nurses remains unchanged. We need to increase the number of nurses especially more and more each year.

In the summer the instructions for school inspectors were revised and went into effect with the opening of the schools in the fall. No great changes were made, but better system seems to have resulted in the short period of trial.

The excellent results of the fresh-air schools become more apparent each year.

Following is the consolidated report of the cases reported by the school inspectors:

I. Specific Infectious Diseases:

Scarlet fever	1	
Measles	1	
Whooping cough	8	
Mumps	8	
Chicken pox	38	
Tuberculosis (pulmonary)	1	
Tuberculosis (other forms)	1	
German measles	12	
	—	70

II. Diseases of the Oral and Respiratory Tract:

Alveolar abscess	5	
Dental caries	54	
Acute pharyngitis	4	
Adenoids	31	
Enlarged tonsils	69	
Enlarged tonsils and adenoids.....	21	
Acute tonsillitis	35	
Acute rhinitis	2	
Deviations septum (obstruction).....	4	
Epistaxis	2	
Postnasal catarrh	2	
Acute laryngitis	3	
Chronic laryngitis	1	
Acute bronchitis	5	
Chronic bronchitis	4	
Defective speech	4	
	—	246

III. Diseases of the Ear:

Otitis media	31	
Imperfect hearing	10	
	—	41

IV. Diseases of the Eye:

Foreign bodies	6
Sty	30
Acute conjunctivitis	40
Phlyctenular conjunctivitis	4
Granular conjunctivitis	12
Ulcer of cornea	3
Opacity of cornea.....	1
Iritis	2
Strabismus	6
Congenital defects	4
Imperfect sight	29

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V. Diseases of the Skin:

Alopecia areata	3
Dermatitis	13
Eczema	69
Acne	3
Furuncle	6
Herpes simplex	67
Herpes zoster	10
Impetigo contagiosa	55
Lupus	3
Pediculosis	260
Psoriasis	2
Scabies	19
Seborrhea	8
Tinea circinata	22
Tinea	1
Urticaria	3
Favus	3

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VI. Miscellaneous Diseases:

Adenitis	33
Anemia	22
Debility and malnutrition	45
Headache	2
Chorea	9
Deformities (spinal)	4
Deformities (other)	3
Sprains	1
Wounds and contusions	36
Abscess and sepsis	24
Epilepsy	3
Rheumatism	1
Cardiac diseases	4
Gastric diseases	5
Urinary diseases	10
Burns and scalds	3
Feeble-minded	8
Paralysis	3

Defective attitude	2
Paronychia	13
Cold (probably)	30
Malingering	8
Dirty	17
Doubtful	24
Cigarette smokers	1
Miscellaneous	11
Vaccinations examined	55
No trouble (negative)	844
Held for observation	17
Re-examined after exclusion.....	124
Physical examinations	441
Work certificates, cultures, etc.....	123
School visits and general inspections.....	60
	<hr/>
	1,986
	<hr/>
	3,027

BRADFORD H. PEIRCE, M.D.,

Medical Inspector.

REPORT OF THE SCHOOL NURSE

The school nurse respectfully submits her report for the year, January 1st-December 31st, 1914.

The nurses, two in number, worked as in former years directly under the Board of Health, in conjunction with the school inspectors and in co-operation with the School Department.

During the year it was impossible to conduct routine inspection in all the grammar and primary schools of the city, so return calls to several of the buildings had to be depended upon. The above condition was occasioned by the unusual number of hospital clinics it was found necessary to attend in order to supervise treatments recommended by the inspectors. Three hundred forty-eight such visits were made during the school year.

Since September 9th the Parents' Associations of the Agassiz, Peabody and Lowell districts, in conjunction with the Cambridge Visiting Nursing Association, have employed a nurse on full time in their respective schools, thus demonstrating the need of more thorough inspection in every part of the city.

All cases requiring a diagnosis were held for examination by the physicians when, on their recommendation, suspicious cases and all children suffering from contagious parasitic disease were excluded, to be followed later to their homes by the nurses. The value of the work from the home end cannot be overestimated, for, only by maintaining the right of parent to child, and the full co-operation of home and school, can permanent results be attained.

As usual, special attention has been given to the children suffering from malnutrition, for experience has taught us that such children cannot keep pace with the other members of their class in the regular grades. Cambridge has three small open-air schools, comprising seventy-five children in all, where work is especially adapted to these children with the natural result—steady improvement in both their mental and physical condition.

It is a fact to be deplored that there are only two school nurses employed by the city, a number quite inadequate to satisfactorily supervise the health of the school children of the city of Cambridge. Each year the field of labor has broadened and many and varied are the duties of the nurses whose work is largely educational both in school and home and based on a two-fold foundation—the prevention of contagion and disease, and the maintenance of the efficiency of the child's

school life. To further this end, by request, talks have been given to the Mothers' Clubs attached to the kindergartens, and elementary hygiene taught to the pupils of the upper grades and Trade School.

Thanks are tendered to the members of the School Department, principals and teachers and to the school inspectors for their unfailing courtesy, and also to the various charitable organizations of the city for their ever-ready response to the call for aid for the children of Cambridge.

HOME CALLS

Defective vision	95	Orthopedic	3
Strabismus	32	Operative orthopedic	2
Conjunctivitis	17	Osteomyelitis	4
Phlyctenular keratitis	27	Masturbation	5
Blepharitis	3	Epilepsy	1
Granular lids	6	Nervousness	6
Congenital cataract	6	Malnutrition	25
Defective hearing	18	Debility	66
Otitis media	44	Rachitis	1
Nasal obstruction	9	Eczema	6
Nasal catarrh	1	Alopecia	1
Adenoids and tonsils	86	Herpes	4
Tonsillitis	9	Ringworm	1
Acute laryngitis	2	Impetigo	29
Croup	1	Scabies	21
Pneumonia	1	Favus	9
Bronchitis	8	Pediculosis	60
Tubercular suspect	31	Psoriasis	1
Adenitis	32	Scarlet fever	1
Scrofula	5	Chicken pox	1
Lupus	21	Eneuresis	10
Tuberculosis	1	Paralysis	7
Tubercular hip	5	Stammering	6
Tubercular kidney	3	Chorea	17
Pott's disease	2	Retardation	23
Scoliosis	2	Flesh wound	1
Indigestion	2	Tongue tie	1
Appendicitis	2	Unkempt	2
Inguinal hernia	2	Cardiac	16
Rheumatic fever	2	Dental caries	50

Questionable diagnosis, 33

Total, 889

TOTALS.

Number of home calls—recorded	889
Number of home calls—unrecorded	146
Number of notes sent	133
Number of home treatments (nurses)	7
Number of visits to clinics	348
Number of children held for inspectors	867

J. M. C. HUME, *School Nurse.*

INSPECTOR OF SLAUGHTERING AND PROVISIONS.

The undersigned respectfully submits his report as Inspector of Slaughtering and Provisions for the year ending December 31, 1914.

Veal slaughtered	3,674
Poultry slaughtered	61,721
Veal condemned	115
Poultry condemned (1,500 lbs. damaged by fire)	1,650 lbs.

MARKET PRODUCTS CONDEMNED.

Beef	1,152 pounds
Lamb	267 pounds
Pork	226 pounds
Poultry	587 pounds
Cod and halibut	1,121 pounds
Lobster	724 pounds
Clams in shell	$\frac{1}{2}$ barrel
Clams and oysters	3 gallons

FRUIT CONDEMNED.

Grape fruit	1 $\frac{1}{2}$ crates
Grapes	38 baskets
Cantaloupe melons	7 crates
Pears	3 $\frac{1}{2}$ baskets
Peaches	5 $\frac{1}{2}$ baskets
Strawberries	274 quarts
Oranges	2 $\frac{1}{2}$ boxes
Cranberries	2 $\frac{1}{4}$ bushels
Raspberries and blackberries	47 quarts

VEGETABLES CONDEMNED.

Potatoes	18 $\frac{1}{2}$ bushels
Sweet potatoes	$\frac{1}{2}$ barrel
Asparagus	3 $\frac{1}{2}$ bushels
Squash	2 $\frac{1}{2}$ barrels
Spinach and other greens	14 $\frac{1}{2}$ bushels
Celery	3 bushels

MISCELLANEOUS PRODUCTS CONDEMNED

Confectioners' chocolate	175 pounds
(filthy and unfit for food)	
Maple sugar	13 pounds
Eggs	2 $\frac{1}{2}$ crates
Cheese	26 $\frac{1}{2}$ pounds
Cereals	51 pkgs.

Five persons were complained of at the Third District Court for violating the laws by selling unwholesome food and five were fined.

The regulations pertaining to markets, ice cream, confectionery factories, soda fountains and bakeshops were strictly enforced.

JOSEPH L. JOHNSON,
Inspector of Slaughtering and Provisions.

VIOLATIONS OF REGULATIONS, NUISANCES ABATED, LICENSES GRANTED, ETC.

Water-closets, offensive and defective—	
Filthy bowls	53
Leaking bowls	21
Broken bowls	10
Obstructed soil pipes	84
Defective tanks	33
Defective traps	41
Defective soil pipes	49
Closets not supplied with running water.....	175
New closets installed.....	73
Sinks, offensive and defective—	
Filthy basins	46
Leaking basins	17
Defective traps	52
Defective drains	155
Obstructed drains	12
Untrapped drains	38
New sinks installed	12
Defective ice chest connections.....	9
Obstructed and defective house drains.....	42
Defective lunch cart connections.....	3
Defective barber shop connections	6
Offensive cesspools cleaned, and removed.....	20
Offensive privy vaults removed.....	3
Wet and damp cellars remedied.....	54
Stagnant water on premises removed	16
Filthy yards cleaned	627
Filthy buildings cleaned	19
Filthy cellars cleaned	324
Filthy stores cleaned	19
Filthy hen coops cleaned	20
Filthy stables cleaned	34
Uncovered manure pits properly covered.....	18
Manure pits repaired, and new pits built.....	10
Manure in yards and lots removed.....	8
Defective stable connections—gutters, traps, and drains.....	24
Defective stable floors repaired.....	6
Vacant lots cleaned	29
Filthy garbage receptacles cleaned	159
Filthy garbage bins cleaned	14
New garbage receptacles provided—with covers.....	146
New garbage receptacles covers provided.....	105
Dead animals removed.....	34
Fowl removed from cellars (number of cellars).....	12
Bakeries cleaned and whitened.....	15
Unsanitary dwellings vacated	3
Unsanitary stables vacated	8
Stables occupied without license.....	18
Keeping fowl without license	52
Keeping pigeons without license.....	15
Plumbing (peppermint) tests made.....	18
Legal orders served.....	154

Hearing notices posted	291
Hearings advertised in public press.....	66
Houses disinfected	739
School rooms disinfected	16
Public sanitaries—inspections and cleanings.....	1,153
Public sanitaries repaired	8
Inspections by sanitary inspectors.....	11,279
Subsequent inspections by sanitary inspectors.....	6,382
Complaints received by sanitary inspectors through office.....	407
Complaints received by sanitary inspectors outside office.....	506
Complaints received and investigated—No cause for complaint.....	110
Complaints received and investigated—Nuisances abated.....	803
Contagious cases investigated and histories obtained:	
Diphtheria	233
Scarlet fever	332
Typhoid fever	51
Measles	703
Chicken pox	347
Whooping cough	292
Acute anterior poliomyelitis	3
Epidemic cerebro-spinal meningitis	5
Trichinosis	1
German measles	8
Houses placarded for diphtheria and scarlet fever.....	340
Hearings given:	
On applications to keep horses	66
On applications to keep hens	144
On applications to keep pigeons	15
Permits granted:	
Stables—cows (applications 24).....	23
Stables—horses	43
Hens	118
Pigeons	8
Ducks	1
To kill and sell fowl.....	0
Licenses granted:	
Undertakers	51
Manicure and massage	28
Rummage sales	39
Collecting and carting grease.....	24
Collecting and carting manure.....	35
Carting garbage	5
To fill premises	7
Premises approved as suitable:	
To board infants	36
To maintain lying-in hospitals.....	1
To smoke sausage meat.....	1
To slaughter cattle	3
Permits issued for burial and removal of bodies:	
Died in Cambridge	1,554
Died outside of Cambridge.....	46
Disinterment (removal from one cemetery to another).....	9

Patients removed to hospitals:

To Diphtheria Hospital, Reservoir Street.....	109
To Mass. Homeopathic Hospital, Brighton.....	3
To Tuberculosis Hospital, Concord Avenue.....	39
To Cambridge Hospital, Mt. Auburn Street.....	7
To Stillman Infirmary, Mt. Auburn Street.....	1
To State Infirmary, Tewksbury, Mass.....	2

Respectfully,

JOHN D. CROWLEY, *Clerk.*

FIRST ANNUAL REPORT OF THE PLANNING BOARD TO THE CITY COUNCIL

City of Cambridge, Massachusetts

1914

(Chapter 494.)

AN ACT TO PROVIDE FOR THE ESTABLISHMENT OF LOCAL PLANNING
BOARDS BY CITIES AND TOWNS

Be it enacted, etc., as follows:

Section 1. Every city of the Commonwealth, and every town having a population of more than ten thousand at the last preceding national or State census is hereby authorized and directed to create a board to be known as the planning board, whose duty it shall be to make careful studies of the resources, possibilities and needs of the city or town, particularly with respect to conditions which may be injurious to the public health or otherwise injurious in and about rented dwellings, and to make plans for the development of the municipality with special reference to the proper housing of its people. In cities the said board shall be appointed by the mayor, subject to confirmation by the council, and in cities under a commission form of government, so called, the members of the board shall be appointed by the governing board of the city. In towns, the members of the board shall be elected by the voters at the annual town meeting.

Sect. 2. Every planning board established hereunder shall make a report annually to the City Council or governing body in cities, and to the annual town meeting in towns, giving information regarding the condition of the city or town and any plans or proposals for the development of the city or town and estimates of the cost thereof; and it shall be the duty of every such local planning board to file a copy of all reports made by it with the homestead commission.

Sect. 3. The homestead commission, created by Chapter 607 of the Acts of the year Nineteen Hundred and Eleven, is hereby directed to call the attention of the mayor and city govern-

ments in cities and the selectmen in each town having a population of more than ten thousand at the last preceding national or State census to the provisions of this act in such form as may seem proper, and said commission is furthermore authorized and directed to furnish information and suggestions from time to time to city governments and to the selectmen of towns, and to local planning boards, when the same shall have been created, such as may, in its judgment, tend to promote the purposes of this act, and of those for which the said commission was established.

Sect. 4. The City Council or other governing body in cities is authorized to make suitable ordinances, and towns are authorized to make suitable by-laws, for carrying out the purposes of this act, and they may appropriate money therefor.

Sect. 5. This act shall take effect upon its passage. [*Approved April 16, 1913.*]

AN ORDINANCE RELATIVE TO THE CREATION OF A PLANNING BOARD
FOR THE CITY OF CAMBRIDGE

Be it ordained by the City Council of the City of Cambridge as follows:

Section 1. The Planning Board of the City of Cambridge, to be established under the provisions of Chapter 494 of the Acts of the year Nineteen Hundred and Thirteen, shall consist of five members. Said members shall be appointed by the Mayor, subject to confirmation by the Board of Aldermen.

The first appointments shall be made: one for a term ending with the first day of May, 1915; one for a term ending with the first day of May, 1916; one for a term ending with the first day of May, 1917; one for a term ending with the first day of May, 1918; one for a term ending with the first day of May, 1919, and beginning with the year 1915 one member shall be appointed annually for a term of five years from the first day of May.

Sect. 2. Vacancies occurring in said Board shall be filled by appointment by the Mayor for the unexpired term, subject to confirmation by the Board of Aldermen.

Sect. 3. The Board shall, as soon as practicable, after the appointment and confirmation of its members, meet and organize by the selection of a chairman and a secretary.

Sect. 4. The Board shall have all powers and authority, and perform the duties set forth in said Chapter 494 of the Acts of the year Nineteen Hundred and Thirteen, relative to local Planning Boards.

Sect. 5. The Board shall serve without pay, and may expend for such expenses as may be necessary in the performance of its duties such sum as may be appropriated by the City Council.

MEMBERSHIP

EX-OFFICIO MEMBER

TIMOTHY W. GOOD, *Mayor*

CITIZEN MEMBERSHIP

	Term expires
MR. GEORGE F. MCKELLEGET, <i>Chairman</i>	May, 1918
MR. HARRIS GINSBERG, <i>Vice-Chairman</i>	May, 1916
STELLA R. MCKENZIE, <i>Secretary</i>	May, 1917
MR. ROBERT E. MARTIN	May, 1915
MR. JAMES J. HILL	May, 1919

ORIGINAL MEMBERSHIP

EX-OFFICIO MEMBER

J. EDWARD BARRY, *Mayor*

CITIZEN MEMBERSHIP

	Term expires
MR. JOHN NOLEN, <i>Chairman</i>	May, 1919
MR. GEORGE F. MCKELLEGET, <i>Vice-Chairman</i>	May, 1918
STELLA R. MCKENZIE, <i>Secretary</i>	May, 1917
MR. HARRY GINSBERG	May, 1916
MR. ROBERT E. MARTIN	May, 1915

FINANCIAL STATEMENT

March 28, 1915

Receipts

Appropriation \$500 00

Expenditures

Services as consultant	\$125 00	
Services of stenographer.....	15 88	
Office furniture	262 57	
Maps, drafting, telephone, postage, stationery and incidentals	58 20	
		<hr/> 461 65
Unexpended balance		<hr/> \$38 35

I. In 1913 the Massachusetts Homestead Commission presented a bill which was enacted into law, providing for Local Planning Boards in all cities and large towns of the State.

In accordance with the provisions of this act (Chapter 494 of the Acts of 1913) His Honor Mayor Barry appointed the Cambridge Planning Board on October 24, 1913. These appointments were confirmed by the City Council December 10th, 1913.

On July 30th, 1914, Mr. John Nolen tendered his resignation. Subsequently Mr. James J. Hill was appointed by His Honor Mayor Good, and confirmed by the Board of Aldermen, November 17th, 1914, to fill the vacancy for the unexpired term ending May 1st, 1919.

II. ORGANIZATION.

III. SECRETARY'S REPORT.

Nineteen regular meetings and two special meetings of the Board have been held up to the present time. The first meeting was held January 5th, 1914. Rules were adopted February 18th, 1914.

Professor James Sturgis Pray, Chairman of the School of Landscape Architecture of Harvard University, was appointed by President Lowell to assist the Planning Board in its work and advised on methods of collecting material, as follows:

April 6, 1914.

Mrs. Stella R. McKenzie, Secretary,
The Planning Board of the City of Cambridge,
897 Massachusetts Avenue, Cambridge.

My dear Mrs. McKenzie:—

In earliest practicable fulfilment of my promise, I write to confirm my recommendations as given to you personally at our last interview in answer to your double inquiry of February 27th, last; namely, as to "a plan of action" for the Board's guidance in its work, and as to the amount of money I think would be sufficient for the furtherance of the work for the ensuing year.

The Board should certainly have an office—if possible it should be in City Hall—with a telephone and typewriter, and someone in attendance each

week day during ordinary business hours. At such headquarters a card index should be at once begun on all published and unpublished material relating to the city plan of Cambridge—past, present and prospective—of which the Board may learn. The Cambridge Public Library, the Harvard University Library, our Special Library of the School of Landscape Architecture, our Harvard Special Library of Municipal Research, and particularly the office of the City Engineer of Cambridge, and other municipal departments should all be fruitful sources of important material.

I suggest that the Board call the attention of our new Mayor at once to the desirability of his requesting such departments as the City Engineer's Office, the Water Board, the Street Department, the Park Board, the School Board, etc., to co-operate in their respective fields with the Planning Board and aid them in all possible ways in supplying local data needed for an intelligent study and development of the city's plan. It is particularly important that the Board put itself similarly in touch with such organizations as the Cambridge Housing Association, Harvard Square Business Men's Association, the Massachusetts Civic League, the Massachusetts Homestead Commission, the Cambridge Y. M. C. A., the Cambridge Municipal Art Society, etc., and with the Metropolitan Commissions and Metropolitan Public Service Corporations whose services affect the Cambridge plan.

For the first step for the Planning Board to take, and almost the only one possible for it to take at first, is to collect so far as may be into one place all possible actual material, and, in any case, references to actual material, and to keep these references in card-index record with an indication in each place of the place where the material is to be consulted.

Only when this process has gone far, and has supplemented existing records with newly-collected data, where needed to fill gaps in our knowledge of housing needs, business needs, transportation needs, and public health and recreation needs, can intelligent study begin, of the problem of utilizing most efficiently available resources for the supplying of these needs in the most efficient and beautiful plan, and thus increasing the resources themselves for its further development and for the all-round uplift of the city and its life.

The first step is this collection of data, and references to sources of helpful information. Later comes the gradual development of the plan by a Board of Experts, or by experts retained by the Planning Board.

But, as Cambridge is not an isolated community, but merely a small, integral part of Metropolitan Boston, its planning can only be intelligent, efficient and economical as part of the comprehensive planning of the whole metropolitan community. Thus any purely local planning board will be concerned with its local plan in two ways:

First: By co-operation with some Metropolitan Planning Board (which must come) aiding in the more perfect organization of those parts of the city which are dominantly metropolitan in their function and service; and

Second: Developing itself, to meet the purely local needs, those parts of its area which are, and are likely to be, dominantly local in their function and service. For the efficient handling of the first, co-operation with some metropolitan body, if possible, or at least with the Central Board (the Boston one), and the local boards in the other metropolitan communities, is essential. And efficiency and economy of effort is sure to result from an early beginning of such co-operation.

The Boston City Planning Board has for this, its first year, \$3,000, and abundant office room; and the Somerville City Planning Board, \$500. Between these, \$1,000 seems to me reasonable for our Cambridge Board to receive, and I should most certainly not ask for any less amount. All these amounts are pitifully inadequate judged by the work which needs to be done, but they express a general situation that must be faced, and unquestionably there is some advantage in beginning in a small way, if we must; and in

being obliged to make every cent tell, so far as may be, for increased efficiency.

I suggest your reference to the very able and helpful report of Suggested Plan of Procedure, submitted for use of City Plan Commission of Jersey City, N. J., by E. P. Goodrich and George S. Ford. It can probably still be had, with its attendant memoranda, on application to the commission.

I beg you will understand that, so far as our extensive collections of City Planning Material in the Special Library of our School go, we desire that they shall be of the utmost practical service to the Board.

I shall personally be glad to be helpful in such ways as may offer from time to time.

Yours sincerely,

(Signed) J. S. PRAY.

A letter was also received from President Maclaurin of the Massachusetts Institute of Technology assuring the Board of his interest in its work and the willingness of the institute's faculty to co-operate.

On Nov. 5th, 1914, an office was granted by the Board of Assessors for temporary occupation in City Hall. The City Engineer furnished a series of maps which he had prepared for the Sanitary Survey Commission, one showing contours, another soils, the third, the main outfall sewers; also a number of plain city maps, which have been found very serviceable in plotting other surveys.

Since November 1st, 1914, the Board has retained Mr. Arthur C. Comey as Consultant on City Planning. Under his direction several maps have already been made and material of all sorts bearing upon the development of the city is being filed for reference.

Respectfully submitted,

S. R. McKENZIE, *Sec'y.*

REPORT OF BOARD

OBJECT OF PLANNING BOARD

To His Honor the Mayor and the City Council of the City of Cambridge:

The city planning movement is so recent in the United States that there is, as yet, seldom to be found a clear conception of its functions. City planning means, primarily, the co-ordination of all the activities of the city in a unified organic whole, planned to produce a healthful, convenient and beautiful city; that is, to anticipate its growth and correlate the various lines of municipal endeavor in a unified scheme of development.

As suggested in the act, this undertaking may be divided into two parts: a study of the city's condition and resources, and a study of its needs ideally considered, with a practical plan for its development. The first part is essential to the success of the whole, although until very recently such studies have seldom been made. The study of the city's condition and resources must precede the study of its ideal needs and the preparation of the plan, because it will not only furnish the only reliable basis for it, but will at the same time demonstrate the very need of a plan. In practice the two should progress to a large degree simultaneously, but with a limited appropriation thus far available for the work, we have devoted our chief attention to the study of the city's conditions; that is, to a civic survey.

The civic survey may be defined as a collection and compilation of all information concerning the city which bears upon its physical, social, economical and financial conditions. As already pointed out, its cost is justified since it furnishes the only reliable basis for planning the city's development and improvement. The Board in collecting this data may gradually come to constitute a municipal Bureau of Research to which all other departments and all citizens may come for information. Such bureaus are proving their value in other cities and constitute a very real economy as the fragmentary information desired by various departments is collected completely, once for all, and in this way isolated investigation will not be required. It will obviously be impossible to acquire in a short period all the data which will be of value, but the survey will be broadened, added to and brought up to date, as opportunity offers.

ACCOMPLISHMENT OF THE BOARD

The Board has made a study of six different classes of municipal problems which are considered in detail below.

Assessment:

His Honor Mayor Good very wisely placed this important matter in the hands of a special committee of experts, and we were able to contribute data and maps to assist in their investigations.

The first map undertaken was one showing the range of land values as assessed in 1914. The special committee requested permission of the Board to reproduce it in colors for distribution, which permission was gladly granted.

A second map was made under the direction of the Planning Board for the special committee on tax assessments showing the development of all property in the city.

On Map No. 1, which shows the various property values as assessed, it is interesting to note the concentration of high values around Harvard and Central Squares, where are located the two rapid transit tunnel stations. Comparatively high values also follow the wider thoroughfares, particularly Massachusetts Avenue, Main Street and Cambridge Street. Where thoroughfares are very narrow, though they may carry a heavy traffic, land values do not show any special increase due to the presence of this traffic. Where the streets leading into the main highways are broad, values spread out for a distance along them, but where they are narrow, the values are invariably low.

Throughout the city values are highest where the streets have been reasonably well planned and laid out, with due regard to through connections, while the reverse is true in every instance where narrow alleys and dead-end streets occur.

The close study of the map reveals many other interesting relations. It will be advisable to compile a similar map after two or three years. It would then be possible to compare successive maps to determine the "boom" districts in which the values are increasing rapidly, to pick out the "blighted" districts in which values are stationary, and to note the regions of normal, moderate increase. A future map showing these increases and decreases would convey this information even more graphically.

Map No. 2 shows the areas used for industrial, commercial, railroads, tenements, residential, public and quasi-public (that is, churches,

clubs and the like) property. It indicates graphically the concentration of industries in the eastern part of the city, the distribution of commercial property along the main thoroughfares, the region where tenement houses containing three or more families are the rule, and the residential districts as yet unspoiled by the erection of three-deckers. This map will be of immediate value in the general study of assessments and furnishes a most necessary basis for a study of housing conditions, especially with regard to the feasibility of fixing zones or districts for different types of development by law. This map of existing conditions should also be used in preparing public opinion for such a step. General restrictions of this sort are now considered to be a most important element in city planning, and many American cities are making similar studies with the view to the adoption of it. The map will also be of value in planning the city's thoroughfares, recreation system, the other elements of the plan. Other maps are contemplated by the Board.

ENGINEERING

(a) Studies. The first requirement is an adequate topographical map upon which all the studies may be worked out. Fortunately Cambridge has an excellent general map prepared under the direction of the City Engineer and brought up to 1915. Since detailed property maps by blocks are on file in the Assessors' office, and street maps in the City Engineers' office, there is less immediate need for a complete co-ordinated topographical map, although its ultimate value would far outweigh its cost, as it would eliminate most of the individual surveys now apt to be necessary as each improvement is taken up. Such complete surveys, often referred to as cadastral surveys, are made in several of the large cities, among which that of Philadelphia is a good example. These maps show at a large scale all topographical features, including not only buildings, pavements and other above ground structures, but also preferably pipes and other underground structures.

(b) Conclusions. In a recent bulletin the Massachusetts Homestead Commission suggested that certain standard sizes and scales be used so that maps of adjacent cities and towns may be matched in studying local conditions and to facilitate State-wide files and studies. These standard scales suggested are: 1 mile equal 1 inch, 1,000 feet equal 1 inch, 200 feet equal 1 inch, and for details, 100, 50 and 20 feet equal 1 inch. For the smallest scale map the Board finds the

United States Geological Survey topographical sheet suitable for studying the entire district around Cambridge. In place of the 1,000-foot scale map, the City Engineer's 800-foot scale map may be used for general studies of the city as a whole. For more limited districts a 200-foot scale map referred to the geodetic base in sheets would be useful, as they have proved so in New York, Baltimore and other cities where prepared.

SOCIAL WELFARE, HOUSING CONDITIONS AND PUBLIC HEALTH

(a) Study. Much good work in the study of housing conditions has already been done by the Cambridge Housing Committee. In a report based on an intensive study of selected blocks, they have demonstrated the prevalence of many bad conditions.

The Board has been assisted by a volunteer, Mr. Schlafhorst, a student from the Social Ethics Department of Harvard University.

We have found that a considerable amount of valuable material on housing conditions is already on file in the Social Ethics Department of Harvard, and as this is open to our examination and study, it need not be duplicated. The most important measure in regard to Public Health considered this year is the project of His Honor Mayor Good for the construction of a Filtration Plant for the Cambridge Water Supply. The Board heartily approves this undertaking.

(b) Conclusions. Far more exhaustive studies of housing conditions are needed, showing number of families per house, range in rentals, distribution of various types of dwellings, character of occupancy, sanitation, access and tenure.

PARKS AND RECREATION

(a) Studies. As this department is ably cared for by the Park Commission, the Planning Board has confined itself principally to collection of general data.

(b) Conclusion. The Playground System of Cambridge should be developed until no child lives more than a half mile from a playground of some sort. In the new districts, at least, where land is still available, the most ideal arrangement is in connections with the school grounds. The children are accustomed to coming to the schools. Their distribution is, as a rule, the same as that to be desired for playgrounds, and the basements of the buildings will furnish storage and shelter, thus saving duplication of structures. It will be necessary to

improve the playgrounds to a certain extent, but of far more importance than apparatus is the supervision of the children by a trained director.

An extension of the playground principle in the schools is the school center for all ages. This is but a move for greater efficiency in the use of the school plant—more hours per day, more days per week, more weeks per year.

Beside the school centers two or three large recreation centers similar to Russell Field provide play fields for ball games of all sorts. These grounds must be accessible to the people, preferably within walking distance, though much of the city is so built up as to make this impracticable.

Cambridge already possesses an excellent park system, so that no extensive acquisitions are needed.

The idea introduced by Mayor Good last year, of interesting in simple gardening the children who are physically incapacitated or disinclined to partake of the more exacting activities of the playgrounds, is most meritorious. We will make further suggestions to the Park Commission for a further and more extensive trial of this plan during the coming summer. Maps will be made showing the section of the city served by each school and playground and indicating future needs.

TRAFFIC AND TRANSIT

(a) Study. The development of waterways and railroad facilities are vital elements in the city plan. Owing to the permanence of existing conditions in this city, little is possible except in connection with specific changes in other branches. Cambridge has at present excellent rapid transit service and little study has been given to it by the Board during the past year. We have already made a preliminary study of the thoroughfare system with a map designating the main arteries of traffic. This is accompanied by a diagram showing graphically the street widths and the subdivisions into pavements, walks and parkings for every type of street.

(b) The transit system should be given further study to anticipate its needs of future development. It is proposed subsequently to study each thoroughfare in the city in relation to desired width and division to pavement walks and grassplots. Counts of traffic will help in determining streets which are too narrow and the adequate width.

PUBLIC BUILDINGS AND BUILDING RESTRICTION

(a) Public buildings are of two main types, administrative and educational. Too often public buildings are erected only to be outgrown before they are opened. More deplorable still, they are apt to be located with little regard to their accessibility, and no regard to one another, though both for efficiency and aesthetic value a grouping of the principal public buildings is the obvious course. The ideal plan is for grouping about an open square, across which all the buildings would count for their full architectural value and with greatly enhanced cumulative effect, as is the case with the grouping of the Cambridge High Schools and Public Library.

School buildings should be located so as to prevent overlapping of districts, as in the case of schools placed too near together and inadequate service, as when too far apart.

The advantage of keeping houses well back from the curb is frequently appreciated. In order to secure uniformity this should be regulated by a building line at a fixed distance from the street line.

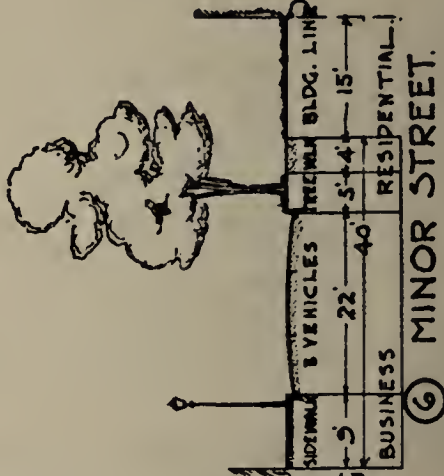
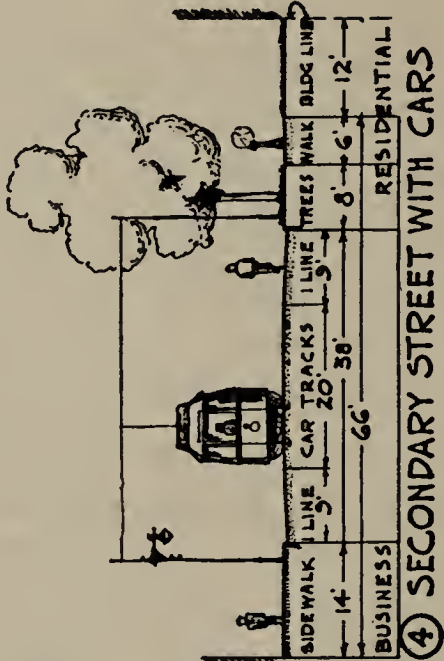
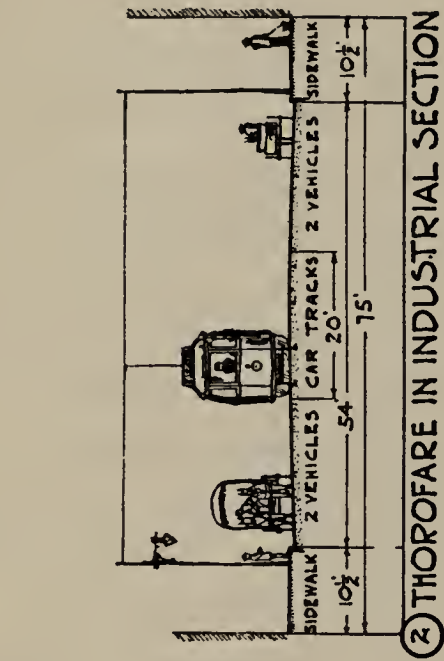
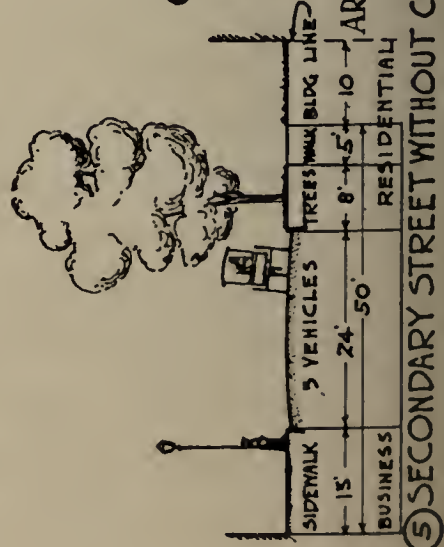
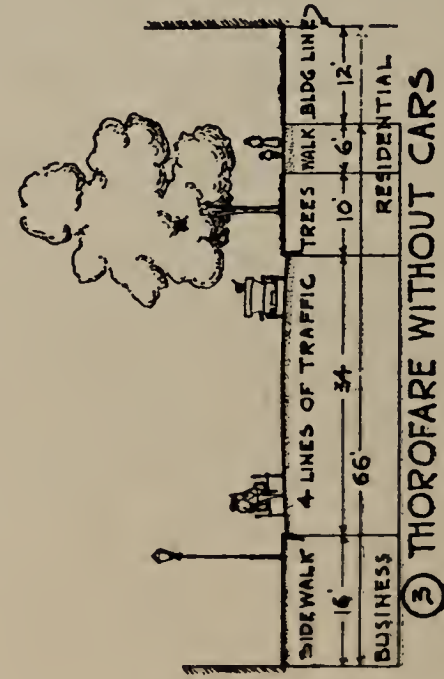
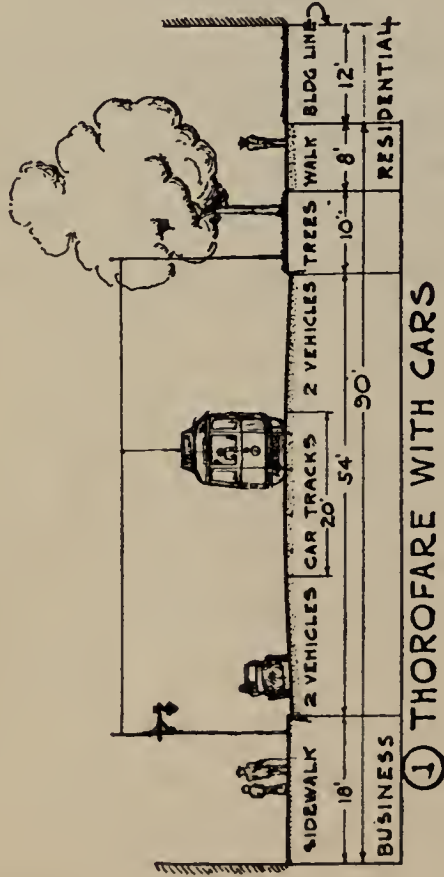
(b) Conclusions. The Board believes that within a few years provision must be made for the increasing amount of room required for administrative offices, and after further study will submit specific suggestions. As previously stated, we will also submit data on the present service with reference to territory and population of school buildings, and the probable future requirements.

GENERAL CONCLUSION

The Board believes that statistics are much increased in usefulness if shown graphically on maps, by diagrams; and plans to have made in the future, maps covering housing, health, food supply, disposal, social welfare, safety, education, recreation, streets and transportation. These statistics and graphic maps will be compiled periodically for comparison, and it will be attempted to show similar facts for previous decades, thus compiling a more or less complete history and indicating trend. Much information is already collected and may be compiled from the U. S. Census reports and similar sources, as well as from data of private organizations.

A bibliography and classified card index is being made of material on file in the office of the Board and also all relevant data of any value available for consultation elsewhere.

As Cambridge is an integral portion of the Boston Metropolitan



CAMBRIDGE PLANNING BOARD
 TYPICAL CROSS-SECTIONS
 PROPOSED FOR STREETS
 PREPARED BY
 ARTHUR C. COMEY-CONSULTANT ON CITY PLANNING
 1915
 SCALE 1/4" = 1 FT.

district, we have made our studies comparing its conditions with those throughout the district.

In general, the work of the Planning Board has been the study of conditions and assembling of the necessary data for a comprehensive plan of improvement. We expect during the coming year to continue our studies, to present definite suggestions and the draft of a general plan of development.

Respectfully submitted,

GEORGE F. McKELLEGET, *Chairman*,
HARRIS GINSBERG, *Vice-Chairman*,
ROBERT E. MARTIN,
JAMES J. HILL,
STELLA R. McKENZIE, *Secretary*.

REPORT OF THE OVERSEERS OF THE POOR

Office of Overseers of the Poor,

Cambridge, Massachusetts.

Central Square Building, May 24, 1915.

To His Honor the Mayor and the City Council of the City of Cambridge:

Gentlemen:—The annual report of the Board of Overseers of the Poor for the year ending March 31, 1915, is presented herewith.

At the annual meeting of the Board held May 4, 1914. Rev. John R. McCool was re-elected Chairman of the Board.

On March 16, 1915, the City Council in joint convention re-elected Rev. John R. McCool, Overseer of the Poor, for a term of five years beginning May 3, 1915.

The cost of maintaining the department for the year is as follows:

	Expenditures	Receipts	Net Cost
Outside Aid	\$73,459 91	\$16,820 82	\$56,639 09
City Home	31,545 97	417 57	31,128 40
City Home Hospital	1,740 17	209 99	1,530 18
Farm	6,474 51	3,441 39	3,033 12
			<hr/> \$92,330 79

The past year has been one of exceptional hardship. The lack of employment, not only in the city but all over the country, has caused a severe strain on the municipal treasuries. In Cambridge this condition is seen to be quite marked by the fact that our Outside Aid increased from \$37,804.22 in 1914 to \$66,142.86 in 1915, while the number of inmates at the City Home remained practically the same. As the laboring work opens up, however, there are many persons now on our lists who will be able to care for themselves, but until employment is secured the city must take care of its poor and bear what is a severe but unavoidable burden.

At the City Home, the housing and feeding of a great number of persons with different tastes, habits and dispositions, is a proposition

which will always be filled with difficulties. For the most part the inmates are pleased and satisfied and our observations lead us to believe that they are well cared for.

On December 27, 1914, our City Home was visited by a disastrous fire which started from some unknown cause in that section of the kitchen known as the meat room. How it swept through the women's wings; how the inmates were removed and cared for until the debris was cleared away and temporary accommodations made for them at the Home; how well the firemen did their work are all, at this time, well known facts. But the great thing this fire served to show was the absolute necessity of different arrangements for taking care of the city's poor at the Home as was recommended in our report of last year.

Immediately after the fire, His Honor, Mayor Good, held a conference with Mr. Edward T. P. Graham and the Overseers of the Poor, and it was decided to repair the old building rather than build a new one as was at first suggested. The City Council was asked for and voted an emergency loan of \$40,000.00 to start the work. At the invitation of His Honor, the Mayor, Professor Charles Killam, of Harvard University, and Mr. Jeremiah F. Downey, Superintendent of Buildings, co-operated with Mr. Graham in evolving a scheme and drawing plans for the renovation of the Home. Sealed proposals were asked for on these plans and when they were opened it was found that Mr. George T. O'Brien was the lowest bidder on the general contract which did not include the heating, plumbing or electric wiring. His figure of \$32,460.00 showed the Overseers that the \$40,000.00 voted would not be sufficient to complete the work, so through His Honor, the Mayor, they asked for \$15,000.00 additional. For some unknown reason the finance committee of the City Council of 1914-1915 refused to recommend this appropriation and the work has been thereby greatly hampered. We hope the present City Council will realize the necessity of the work going on to completion and vote to grant the necessary funds.

The Offal Department, for so many years under the supervision of the Overseers of the Poor, was transferred to the Street Department on January 14, 1915.

The City Farm has shown a loss each year of more than \$600.00 and it appears that it is unwise to continue with this annual loss, so the Overseers recommend that after the crops of this year are harvested the farm be discontinued.

The Mothers' Aid Law has been in operation for over a year and

while we think the idea is commendable, the law itself as it now exists ought to be amended to read:

"In respect to all mothers in receipt of aid hereunder the city or town rendering the aid shall be reimbursed by the commonwealth, after approval of the bills by the state board of charity, for TWO-THIRDS of the amount of the aid given." It seems, too, that the Overseers are in a better position to know just what is best for the poor in the city rather than the periodical visitor from the State Board of Charity, and therefore, we think that the law should be made to read in such a way that the State Board of Charity could not refuse to reimburse the city for any case without first giving the Overseers an opportunity of showing that the case fulfilled the requirements of the law.

It has been a question in our minds as to whether or not the State Board of Charity has a right to read into the law, extra requirements which were not placed there by the makers of the law. At present it is costing the City of Cambridge upwards of \$100.00 per day in cash for Mothers' Aid cases and if these cases do not fulfil not only the requirements of the law but also the "addenda" of the State Board of Charity, then the City is not reimbursed. We think our legislators might do well to consider this law seriously and prevent, if possible, the increasing drain on the city's treasury.

The work at our office is increasing daily and is accomplished only by the office force working overtime practically every day. We recommend the appointment of an additional clerk.

Respectfully submitted,

JOHN R. McCOOL, Chairman.
JAMES F. MULLEN,
GEORGE P. O'BRIEN,
FRANK McLAUGHLIN,
PATRICK J. CALLAGHAN,

Overseers of the Poor.

REPORT OF THE CITY PHYSICIAN

To the Honorable, the City Council of Cambridge:

Gentlemen:—The report of the City Physician for the twelve months ending March 31, 1915, is hereby rendered.

CITY HOME

Number of visits to the City Home.....	346
Number of persons attended there.....	750
Number of deaths at the City Home.....	17
Cost of medicines and surgical appliances.....	\$485 87

OUTSIDE AID

Number of persons attended for the Overseers of the Poor.....	1,279
Number of visits to the same.....	2,020
Number of persons sent to Outside Hospitals for treatment.....	148
Number of outside deaths.....	16
Number of outside births.....	31
Cost of medicines and surgical appliances.....	\$601 85

DEPARTMENTAL

Number of persons attended at Police Stations.....	58
Number of visits to the same.....	58
Number of persons examined for the Law Department.....	8
Number of visits to the same.....	13
Number of employees examined for injuries.....	43
Police Department	2
Street Department	26
Park Department	2
Sewer Department	4
Offal Department	4
Water Department	3
Cemetery Department	2
Fire Department	0
Number of visits to the same	113
Number of vaccinations for the School Committee.	562
Number of visits to the same	562
Number of call firemen examined	1
Number of visits to the same	1
Number of firemen examined	1
Number of visits to the same	1
Number of policemen examined for retirement	1
Number of visits to the same.....	1
Number of firemen examined for retirement	1
Number of visits to the same.....	1
Total number of persons receiving professional care.....	2,703
Total number of professional visits to the same.....	3,115

CITY HOME HOSPITAL REPORT FOR THE YEAR ENDING
MARCH 31, 1915.

There were ninety-three patients during the year April 1, 1914, to March 31, 1915. There were six births, and twenty-seven deaths. The cost of medicines and surgical appliances, \$277.06.

I wish to thank all the officials connected with the department for their kind and courteous treatment, and material help.

Respectfully submitted,

WILLIAM G. BROUSSEAU, M. D.

City Physician.

REPORT OF THE SUPERINTENDENT OF THE CAMBRIDGE CITY HOME

Cambridge, April 30, 1915.

To the Overseers of the Poor:—

Gentlemen:—The Annual Report of the Cambridge City Home for the twelve months ending March 31, 1915, is hereby respectfully submitted.

The whole number in the Home during the twelve months has been as follows:

Males	255
Females	138
Total	393
Adults	359
Minors	34
Whole number in the Home, March 31, 1915.....	212
Average number during the twelve months	209

Included in the whole number in the Home March 31, 1915, there are:—

IMBECILE

Males	1
Total	1

BLIND

Females	2
Total	2

EPILEPTICS

Females	6
Total	6

Included in the whole number discharged during the twelve months are 9 persons sent to other institutions, as follows:—

Worcester Insane Hospital	I
State Infirmary	I
State Minor Wards	I
Tuberculosis Hospital	3
Long Island	I
House of Correction	I
Sherborn	I

Remaining in the Home March 31, 1915:—

Males	149
Females	65
Adults	208
Minors	6

All statistics of general interest will be exhibited by the following tables:—

TABLE I

Showing the Number and Sex of Adult Persons and Minors of all Classes Received into the Cambridge City Home in each Month of the Twelve Months ending March 31, 1915.

MONTH	Adults		Minors		Total	Dependent Children		Neglected Children	
	M	F	M	F		M	F	M	F
1914									
April.....	7	5	2	1	15	2	1	0	0
May.....	6	5	1	1	13	1	1	0	0
June.....	6	7	0	0	13	0	0	0	0
July.....	12	6	3	2	23	3	2	0	0
August.....	8	1	0	0	9	0	0	0	0
September.....	12	2	0	0	14	0	0	0	0
October.....	15	3	5	1	24	5	1	0	0
November.....	8	4	1	2	15	1	2	0	0
December.....	17	6	2	1	26	2	1	0	0
1915									
January.....	9	3	1	0	13	1	0	0	0
February.....	7	4	2	1	14	2	1	0	0
March.....	11	4	2	1	18	2	1	0	0
Total.....	118	50	19	10	197	19	10	0	0

TABLE II.

Showing the Number and Sex of Adult Persons and Minors of all Classes Discharged from the Cambridge City Home in each Month of the Twelve Months ending March 31, 1915.

MONTH	Adults		Minors		Total	Dependent Children		Neglected Children	
1914	M	F	M	F		M	F	M	F
April.....	6	4	0	2	12	0	2	0	0
May.....	12	8	1	2	23	1	2	0	0
June.....	6	3	1	0	10	1	0	0	0
July.....	6	8	4	3	21	4	3	0	0
August.....	8	4	0	0	12	0	0	0	0
September.....	5	1	0	0	6	0	0	0	0
October.....	6	3	1	1	11	1	1	0	0
November.....	4	5	3	2	14	3	2	0	0
December.....	3	8	1	0	12	1	0	0	0
1915									
January.....	5	8	2	1	16	2	1	0	0
February.....	16	4	0	1	21	0	1	0	0
March.....	14	4	5	1	24	5	1	0	0
Total.....	91	60	18	13	182	18	13	0	0

**COMPARATIVE TABLE OF CITY HOME, FARM, LEDGE AND HOUSE OFFAL
RECEIPTS FOR THIRTY-THREE YEARS, FOUR MONTHS, ENDING
MARCH 31, 1915**

Years	Board	Chair Shop	Farm	General Sales	Stone	House Offal	Totals
1881	\$822.56	.....	\$378.50	.....	\$2,529.01	\$5,536.88	\$8,766.95
1882	705.34	.....	436.54	.....	2,626.17	5,705.22	9,473.27
1883	1,174.96	.....	476.22	\$14.19	2,622.00	5,819.55	10,106.92
1884	1,480.93	.....	316.76	.....	4,238.77	6,449.96	12,486.42
1885	2,035.58	.....	335.32	149.85	4,509.84	7,354.26	14,384.95
1886	613.93	\$37.50	772.14	319.75	5,611.38	6,926.23	14,280.93
1887	514.64	634.19	1,595.10	241.37	4,684.14	6,856.59	14,526.03
1888	557.28	614.94	2,846.52	213.62	6,662.26	6,721.50	17,617.83
1889	274.84	479.28	3,681.59	144.36	5,564.18	7,324.61	17,471.03
1890	302.49	794.36	4,364.03	150.89	5,651.38	7,386.33	18,649.48
1891	1,201.33	844.62	5,213.68	161.71	6,107.86	7,716.77	21,245.97
1892	1,253.06	899.81	5,371.68	166.45	5,220.50	7,535.57	20,447.55
1893	703.70	325.86	6,400.64	210.09	5,826.74	7,033.52	20,500.05
1894	1,094.89	220.07	6,504.66	615.69	7,955.42	8,218.96	21,609.69
1895	622.77	77.00	6,512.63	160.19	8,265.14	9,045.55	24,682.78
1896	834.52	61.23	5,623.67	147.02	7,639.48	9,155.35	23,461.24
1897	1,294.65	3.69	5,348.47	137.33	10,335.16	7,228.79	24,348.03
1898	1,038.19	.....	5,730.13	277.40	2,172.60	7,264.09	16,482.41
1899	703.17	.....	6,049.47	142.54	.....	6,997.40	13,892.58
1900	611.57	.....	5,082.43	137.40	.....	7,322.05	13,153.45
1901	793.32	.....	5,173.83	83.60	.....	8,016.71	14,067.46
1902	826.69	.....	5,098.37	78.15	.....	9,722.83	15,726.04
1903	659.21	.....	3,922.64	526.43	.....	10,359.99	15,468.27
1904	969.54	.....	4,286.47	69.47	.....	11,729.75	17,055.23
1905	902.30	.....	4,964.10	66.39	.....	11,326.61	17,258.40
1906	807.96	.....	5,209.65	62.83	.....	10,565.96	16,646.40
1907	766.20	.....	5,486.29	67.68	.....	10,564.07	16,884.24
1908 ....	.....	.....	.....	.....	.....	.....	.....
16 mos. to Mar. 31, '09	842.97	.....	5,038.55	85.21	.....	16,174.80	22,141.53
1910	704.05	.....	4,313.19	72.47	.....	13,477.42	18,567.13
1911	793.91	.....	3,984.89	80.11	.....	15,758.46	20,617.37
1912	515.43	.....	4,286.59	96.98	.....	15,809.48	20,708.48
1913	446.19	.....	4,537.16	75.03	.....	11,881.16	16,969.54
1914	463.12	.....	4,382.80	61.35	.....	12,713.14	17,620.41
1915	328.95	.....	3,441.39	88.62	.....	9,578.01	13,436.97
Totals..	\$27,160.24	\$4,992.48	\$137,219.02	\$4,902.67	\$98,222.03	\$311,257.57	\$583,754.01

City Home Hospital receipts \$ 209.99

City Home Hospital receipts since July 1, 1905 3,604.48

PRODUCTS OF FARM VALUE

122 bushels beans	\$72 80
1,200 dozen bunches beets	214 20
360 bushels beets	176 95
4,180 cabbages	148 15
554 dozen celery	470 55
6,710 cucumbers	128 00
494 bushels dandelions	259 50
371 dozen lettuce	59 95
70 dozen bunches onions	14 00
561 bushels onions	298 30
340 dozen bunches radishes	108 00
50 bushels rhubarb	25 00
305 bushels spinach	75 15
650 bushels tomatoes	371 05
306 bushels parsnips	254 00
238 bushels carrots	110 10
316 dozen bunches carrots	163 55
17 bushels beet greens	2 30
8,353 pounds pork	489 84
Cash receipts	3,441 39
Eggs supplied Home	300 00
Vegetables supplied Home	750 00
Pork supplied Home	312 71
	<hr/>
	\$4,804 10

The ages of the inmates are as follows:—

Fourteen between 80 and 90; forty-seven between 70 and 80; sixty-eight between 60 and 70; forty-eight between 50 and 60; twenty-one between 40 and 50; eight between 30 and 40; one between 20 and 30; and five children.

Of those who died during the twelve months, one was between 90 and 100; four between 80 and 90; twelve between 70 and 80; thirteen between 60 and 70; seven between 50 and 60; twenty between 40 and 50; and four between 30 and 40.

The average age of those who died was 65 years.

In closing, I wish to thank your honorable Board for your kind treatment, and also the employees in my department for their courteous manner and efficiency.

Respectfully submitted,

CHARLES E. GOODROW,

Superintendent.

OUTSIDE AID DEPARTMENT. APRIL 1, 1914, to APRIL 1, 1915

Months	Salaries	Postage, Printing, Stationery, Books	Gas, Electric Light Telephone	Physicians, Medicines, Surgical Supplies	Undertaker	Hospitals	Other Cities and Towns	State Infirmary, Hospital Wards	Cash Roll Boarded Cases	Groceries, Fuel	Transportation	Mothers Aid Cash	Repairs	Miscellaneous	Totals
1914															
April.....	\$554.70	\$59.31	\$24.77	\$128.50	\$148.00	.....	.....	.....	\$1,275.47	\$2,550.74	\$167.97	\$1,991.50	.....	\$33.36	\$6,934.32
May.....	589.16	26.70	14.46	47.26	62.00	.....	.....	.....	988.18	945.10	2.00	1,993.50	.....	24.82	4,693.18
June.....	504.66	.....	12.93	61.91	38.00	\$103.43	\$63.79	1,153.14	1,034.75	191.10	154.04	1,668.00	\$101.86	5.44	5,093.05
July.....	504.66	23.86	12.73	32.78	96.00	1,888.84	1,353.84	402.40	943.07	1,225.62	73.27	1,690.00	13.96	.73	8,261.76
Aug.....	589.16	2.45	13.65	37.53	68.00	323.87	114.70	26.29	1,252.08	561.66	44.18	2,292.00	12.27	2.70	5,340.54
Sept.....	555.66	4.90	12.09	121.84	46.00	.....	.....	.....	1,079.01	649.95	90.38	2,066.00	8.77	101.31	4,735.91
Oct.....	663.16	61.11	11.35	22.14	70.00	.....	.....	.....	1,275.76	985.47	114.35	2,687.50	3.73	28.28	5,922.85
Nov.....	620.66	5.39	13.13	71.49	34.00	.....	1,015.25	154.50	1,313.87	981.37	8.00	2,257.50	50.08	79.10	6,604.34
Dec.....	641.75	48.03	13.80	46.26	18.00	915.00	621.20	34.86	1,375.65	1,638.94	158.55	2,414.00	.88	.98	7,927.90
1915															
Jan.....	795.10	14.72	14.69	32.14	104.00	.....	.....	.....	1,736.43	2,219.37	10.00	3,189.00	3.10	1.81	8,120.36
Feb.....	635.00	.....	.....	.....	.....	.....	.....	.....	1,417.57	.....	.....	2,778.00	.....	.....	4,830.57
Mar.....	663.38	.....	.....	.....	.....	.....	.....	.....	1,515.75	.....	.....	2,816.00	.....	.....	4,995.13
Total.....	7,317.05	246.47	143.60	601.85	684.00	3231.14	3,168.78	1,771.19	15,207.59	11,949.32	822.74	27,843.00	194.65	278.53	73,459.91

CITY HOME DEPARTMENT, APRIL 1, 1914, to APRIL 1, 1915

Months	Salaries and Wages	Medicines Surgical Supplies	Ice, Groceries, Provisions	Dry Goods, Clothing, Boots and Shoes	Fuel	Gas, Electric Power	House Supplies	Repairs and Lumber	Hospitals	Postage, Printing, Stationery Books	Telephone Transportation	Undertaker Cemetery	Emergency Expenses Account of Fire	Miscellaneous	Totals
1914															
April	\$777.50	\$58.74	\$2206.89	\$279.12	\$181.98	\$55.52	\$96.07	\$886.98	.....	\$4.00	\$57.29	\$66.00	.....	\$83.52	\$4753.61
May	831.92	106.42	1066.03	57.93	199.55	24.02	252.50	33.76	.....	21.31	9.84	14.00	.....	34.02	2651.30
June	686.19	47.97	910.15	279.86	.....	16.12	238.35	237.45	.....	.....	48.69	32.00	.....	91.96	2588.71
July	670.40	47.25	1294.87	50.23	124.80	11.96	20.56	899.11	\$132.85	34.45	53.29	20.00	.....	73.35	3439.12
Aug.	869.84	69.33	995.14	150.49	130.80	12.60	93.43	31.62	.....	.....	7.64	10.00	.....	.....	2370.89
Sept.	706.19	17.02	1180.66	83.84	.....	14.36	34.15	62.46	.....	.....	6.92	.....	.....	23.71	2129.31
Oct.	861.67	48.95	1340.21	409.58	174.40	14.12	115.26	124.45	12.86	.....	47.37	62.00	.....	292.85	3503.72
Nov.	719.19	82.89	892.49	260.44	74.88	20.26	61.85	170.61	.....	7.23	8.35	.....	.....	39.75	2337.94
Dec.	722.32	32.21	1322.28	349.47	386.40	25.80	153.68	72.99	.....	8.00	23.90	.....	.....	37.03	3134.08
1915															
Jan.	1056.11	.....	3.18	.....	.....	.....	.....	.....	.....	.....	64.68	.....	1940.57	.....	3064.54
Feb.	794.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.00	.....	806.08
Mar.	772.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	772.64
Total	9468.05	510.78	11211.90	1920.96	1272.81	194.76	1065.85	2519.43	145.71	74.99	327.97	204.00	1952.57	676.19	31,545.97

CITY HOME HOSPITAL DEPARTMENT, APRIL 1, 1914, TO APRIL 1, 1915

Months	Wages	Medicines and Sur- gical Supplies	Crackers	Electric Light	Furniture, Crock- ery, Hardware	Fuel	Miscellaneous	Totals
1914								
April.....	\$104.00	\$73.04	\$2.40	\$12.90	.....	\$38.88	.....	\$231.92
May.....	104.00	12.69	.....	4.40	\$50.47	38.88	\$21.00	231.44
June.....	83.20	13.60	8.34	4.90	.....	.....	.....	110.04
July.....	83.20	.....	.....	4.20	.....	37.44	.....	124.84
August.....	104.00	35.31	.....	4.59	18.62	.....	.....	162.52
September.....	83.20	46.60	.....	5.13	.....	.....	.....	134.93
October.....	104.00	9.80	12.73	5.49	37.24	.....	.....	169.26
November.....	83.20	86.02	.....	7.98	.....	.....	.....	176.60
December.....	83.20	.....	.....	8.28	.....	37.44	.....	128.92
1915								
January.....	104.00	.....	.....	.....	.....	.....	.....	104.00
February.....	83.20	.....	.....	.....	.....	.....	.....	83.20
March.....	83.20	.....	.....	.....	.....	.....	.....	83.20
Total.....	\$1,102.40	\$277.06	\$23.47	\$57.27	\$106.33	\$152.64	\$21.00	\$1,740.17

FARM DEPARTMENT, APRIL 1, 1914, TO APRIL 1, 1915

Month	Wages	Garden Seeds, Plants	Poultry and Pigs	Electric Light	Market Stand	Blacksmith Repairs, Hardware, Woodenware	Lumber	Hay, Grain, Straw	Miscellaneous	Total
1914										
April	\$321.60	\$92.01	.....	\$ .20	.....	\$20.09	.....	\$112.34	.....	\$546.24
May	589.06	8.12	\$98.00	.....	\$100.00	20.09	.....	16.56	\$23.72	855.55
June	486.50	28.57	.....	.....	.....	10.78	.....	16.85	.....	542.70
July	454.00	41.26	.....	.....	.....	7.35	.....	108.72	.....	611.33
August	632.50	29.40	.....	.....	.....	9.31	.....	5.68	.....	676.89
September	486.50	.....	58.80	.....	.....	61.20	.....	23.91	.....	630.41
October	614.25	.....	.....	.....	.....	7.93	.....	25.83	.....	648.01
November	403.50	2.94	.....	.....	.....	7.59	\$9.41	82.41	.....	505.85
December	388.50	6.86	.....	.27	.....	13.76	.....	39.48	.....	448.87
1915										
January	342.50	.....	.....	.....	.....	.....	.....	.....	.....	342.50
February	324.00	.....	.....	.....	.....	.....	.....	.....	.....	324.00
March	342.16	.....	.....	.....	.....	.....	.....	.....	.....	342.16
	\$7,385.07	\$209.16	\$156.80	\$.47	\$100.00	\$158.10	\$9.41	\$431.78	\$23.72	\$6,474.51

HOUSE OFFAL DEPARTMENT, APRIL 1, 1914, TO JANUARY 14, 1915

Month	Wages	Horseshoeing	Hay	Grain	Hardware	Lumber, Paints, Oils, Brushes	Harnesses, Repairs, Horse Clothing	Electric Light	Horses	Blacksmith	Miscellaneous	Total
1914												
April	\$3,798.93	\$222.49	\$503.76	\$418.02	.....	.....	\$43.17	\$4.70	\$583.10	.....	\$48.10	\$5,622.27
May	3,688.59	65.00	668.80	172.87	\$29.80	\$197.62	82.71	1.10	.....	.....	.....	4,906.58
June	2,958.46	68.02	.....	.....	.....	.....	76.01	.50	.....	.....	.....	3,102.99
July	2,872.85	85.89	.....	230.50	.....	.....	60.91	.30	.....	.....	.....	3,250.45
August	3,608.29	66.15	437.81	298.71	.....	.....	26.12	.36	.....	.....	.....	4,437.44
September ..	2,934.79	91.18	501.21	.....	.....	.....	6.81	.54	.....	\$479.25	1.96	4,015.74
October	4,081.45	57.49	613.91	274.68	.....	8.82	13.38	.72	.....	315.63	.....	4,689.17
November ..	3,213.59	71.89	.....	136.42	.....	132.73	21.12	1.35	.....	.....	.....	4,195.05
December ..	3,105.23	81.34	302.70	412.77	4.01	.....	6.08	.....	.....	.....	3.51	3,911.73
1915												
January ...	1,595.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,595.21
Total	\$31,857.49	\$809.45	\$3,028.19	\$1,880.97	33.93	\$339.17	\$326.31	\$9.57	\$583.10	\$794.88	\$53.57	\$39,726.63

FORTY-EIGHTH ANNUAL REPORT OF CITY ENGINEER—1914-1915

April 1, 1915.

To the Honorable, the City Council:

The City Engineer hereby submits his annual report, being the forty-eighth of the department, showing the operation and expenditures of the Engineering and Sewer Departments for the year ending April 1, 1915.

A brief summary of the work of the Engineering and Sewer Departments for the year is as follows:

FOR HIGHWAY DEPARTMENT

Number of surveys made	1
Number of street lines given.....	37
Number of grades given	79
Number of streets on which paving, curb, etc., was measured.....	121
Number of assessments prepared	1195
Number of plans and profiles prepared.....	20
Number of cars of street department material measured.....	279

FOR SEWER DEPARTMENT

Number of surveys made.....	7
Number of lines given.....	297
Number of grades given.....	288
Number of sewers measured.....	21
Number of assessments prepared.....	78
Number of sewers assessed.....	13
Number of plans or profiles prepared.....	42

FOR WATER WORKS

Number of lines.....	5
Number of surveys made.....	68
Number of plans and profiles made.....	36
Number of grades.....	10

FOR LAW DEPARTMENT

Number of surveys	45
Number of photographic negatives.....	56

MISCELLANEOUS WORK

Number of circuits of bench levels.....	3
Number of houses measured.....	380
Number of plans or profiles prepared, tracings, etc.....	124
Number of surveys made.....	23
Number of lines given.....	60

FOR PARK DEPARTMENT

Number of lines given.....	3
Number of grades given.....	23
Number of plans made.....	1

There are now on file in the office 12,272 plans.

FINANCIAL

ENGINEERING DEPARTMENT

Salaries

Appropriation	\$8,700 00
Expended	8,388 35
Balance	\$311 65

OTHER EXPENSES

Appropriation	\$536 25
Expended	536 25
Balance	0 00

In addition to and including the above amount charged to salaries of assistants there have been expended and charged to departments as follows:

To Assessors' Plans	\$199 75
To Sewer Department.....	1,892 50
To Water Works Department.....	551 32
To salary of City Engineer.....	3,000 00
Salaries of Assistants.....	5,388 35
Total	\$11,031 92

CLASSIFICATION OF SALARIES OF ASSISTANTS

Accounts	\$468 00
Assessors' Plans—Surveys, measurements and work on block plans for Assessors' Department.....	377 84
Accidents—Surveys, plans and court attendance for Law Department	57 00
Bridges—Surveys, plans, examinations and estimates.....	234 13
Cemetery—Surveys and plans, setting out lots, etc., as Cambridge Cemetery	88 20

General Surveys and Levels—Surveys and work on section and city plans and bench levelling.....	277 00
Highways—Surveys, levels, plans, estimates, measurements and assessments for Highway Department; also lines and grades for private parties.....	1,112 91
Location plans for electric conduits, gas, water pipes, etc.....	49 00
Miscellaneous—Unclassified work for committees and departments, vacations and sickness	706 12
Parks—Surveys, lines, grades, plans and estimates for Park Department	407 39
Sewers—Lines, grades, plans, estimates, accounts, measurements and assessments for Sewer Department	2,461 80
Sidewalks—Estimates, measurements, titles and assessments for Highway Department	68 16
Water Works—Surveys, lines, grades, plans and estimates for Water Works Department	1,724 37

STREETS LAID OUT AND ACCEPTED APRIL 1, 1914, to MARCH 31, 1915

LOCATION OF STREET						PLAN	
Street	From	To	Length in feet	Width in feet	Date of Acceptance	Made by	Date
Painwood Circle.....	Payette Street.....	Westerly.....	352	25 & 30	April 4, 1914	E. F. Bowker.....	March 18, 1913
Francis Avenue.....	Bryant Street.....	Irving Street...	716	40 & 45	July 24, 1914	H. F. Bryant.....	Jan. 30, 1913
Irving Street.....	Bryant Street.....	Francis Avenue.	661	40	July 24, 1914	H. F. Bryant.....	Jan. 30, 1913
			1729				

Length of accepted streets March 31, 1914, 104.883 miles.

Accepted March 31, 1914, to March 31, 1915, .327 miles.

Length of accepted streets to March 31, 1915, 105.210 miles.

WALDEN STREET BRIDGE RECONSTRUCTION

This bridge to which references have been made in several of the later Annual Reports, has been rebuilt the past season. The old bridge, rebuilt in 1892, was of iron girders and frame work with wooden floor and floor beams. The cost of the bridge superstructure in 1892 was \$3,063.80. The cost of maintaining and repairing the bridge to 1913 has been about \$3,815.85.

This large maintenance cost has been due largely to the action of cinders, smoke and gases from the engines of the trains passing underneath with a very small clearance for their smoke-stacks. Paint and metal were quickly corroded from these causes and when the members of the bridge were taken apart, they were found greatly reduced in strength. The new bridge is of entirely different design and construction, and all the parts exposed to the action of smoke and gases are encased in a fine grade of Portland cement mortar. The floor, both of the roadways and sidewalks, are of cement concrete heavily reinforced with steel rods. No wood is used in the construction of the bridge. The bridge is carried by three main girders, the center one of which divides the roadway into two parts. These roadways are paved with Warren Brothers Company Bitulithic paving. The two sidewalks are of granolithic pavement.

The contract for constructing the bridge was awarded to the New England Structural Company of Everett, Mass., for \$5,923—and was signed July 21, 1914.

The bridge was opened for travel December 10, 1914, and accepted December 15, 1914. At the northerly end of the bridge the sidewalks over the old archway underneath were built of wood and in very poor condition. These were removed and new sidewalks of steel and concrete were built by the sub-contractor for concrete work, W. A. Murtfeldt & Co. The total cost of this was \$394.34. The cost of reconstructing the bridge was \$6,947.82. The 12-inch water pipe formerly hung under the sidewalk was placed in brackets outside the westerly girder by the Water Department.

BRIDGE INSPECTION.

REPAIRS ON HURON AVENUE BRIDGES.

Extensive repairs were made on the bridges in Huron Avenue over the Watertown Branch of the Boston & Maine Railroad. A number of the steel floor beams were renewed. A large number of them over the railroad tracks were encased in cement concrete and the hard pine flooring plank was renewed. The roadway of the bridge was then paved with 3 inch creosoted hard pine paving blocks.

At the bridge over the Water Works Pipeway the old timbering and planking was renewed and the roadway paved with 3 inch creosoted, hard pine paving blocks. The total cost of these repairs on both bridges was \$4,009.90.

WOOD BLOCK PAVEMENT

The wood block pavement in the city was increased during the year by the addition of 29,037 square yards equal to about 1.176 miles. This was used principally on Massachusetts Avenue and Cambridge Street. The total amount of wood paving in the city is now 65,425 square yards or 2.331 miles.

PAVEMENT STATISTICS

Statistics of the pavement laid in this city to date are as follows:

KIND	MILES IN LENGTH			SQUARE YARDS		
	Laid in 1914	Removed in 1914	To Date	Laid in 1914	Removed in 1914	To Date
Granite.....	0.483	0.655	11.700	8,584	13,635	272,623
Vitrified Brick	0.142	....	3.800	2,950	....	81,821
Wood Block.....	1.176	....	2.331	29,037	...	65,425
Bitulithic.....	0.682	....	6.785	22,453	....	184,046
Tar Macadam.....	1.756	1.206	8.418	30,783	37,855	142,543
Macadam.....	....	1.924	71.395	....	34,355	949,977
TOTALS	4.239		104.429			1696435
In addition to the above						
Harvard Bridge, wood block.			0.185			5512
Cambridge Bridge, granite block.			0.161			4044
Charles River Dam, granite block.			0.106			5469

GENERAL SEWER CONSTRUCTION

The total length of sewer conduit constructed during the year was 2.762 miles, making the total mileage in the city 154.652 miles.

The length of streets newly sewered during the year has been 0.375 miles, making the total mileage of streets sewered with one or more conduits 120.048 miles.

The total cost of sewer construction to date has been \$2,386,-411.78.

Sewers have been built upon streets, as shown by the annexed schedule.

CATCH BASINS.

Catch basins with wooden covers	248
Catch basins with sidewalk flagging	1,025
Catch basins with cast iron "D" frames	778
Catch basins with miscellaneous covers	51
Total number in city.....	2,102

Twenty-two catch basins have been built during the year at a total cost of \$1,571.64.

Sixty-seven catch basins have been repaired during the year at a cost of \$1,006.40; 3,862½ loads of material have been removed from 1,335 catch basins during the year at a cost of \$7,559.68.

Eighteen persons have been licensed as drain layers during the year.

Permits have been granted for sewer repairs or constructions as follows:

For repairs	61
For connection to combined sewers	137
For connection to sanitary sewers.....	65
For connection to storm sewers	36

A total of 238 permits for connections and 61 for repairs.

CLASSIFIED SCHEDULE OF SEWERS AS BUILT TO APRIL 1, 1915.

Vitrified and sement pipe	97.905 miles
Brick	48.751 "
Miscellaneous materials	3.313 "
Wood	2.821 "
Cement concrete	1.548 "
Iron pipe	0.314 "

Total length of sewer conduit constructed to date..... 154.652 miles

SEWER DEPARTMENT—FINANCIAL

MAINTENANCE.

Appropriation	\$20,658 93
Expended	20,658 93
Balance	0 00

EXPENDED

Catch basin repairs	\$1,006 40
Catch basin cleaning	7,559 68
Cleaning and repairing gates	1,052 92
Cleaning sumps	301 40
Cleaning and flushing sewers	1,491 70
Manhole repairs	324 55
General expense	5,234 89
Office	513 66
Sewer repairs	805 79
Stable expense	1,340 42
Pensions	1,027 52
Total	\$20,658 93

CONSTRUCTION — GENERAL

Appropriation	\$8,871 67
Expended	8,871 67
Balance	0 00

EXPENDED.

New catch basins	\$1,571 64
General expense	146 86
Lamont Avenue	496 29
Summer Street	751 21
Banks Street	413 05
Newton Street	692 86
Sixth Street	564 79
Nutting Place	991 79
Irving Street	2,143 35
Holworthy Street	772 48
St. Gerard Terrace	327 35
Total expenditure for 1914	\$8,871 67

SEPARATE SYSTEM

Appropriation	\$41,353 00
Expended	39,084 69
Balance unexpended	\$2,268 31

EXPENDED

General expense	\$215 45	
Concord Avenue	15,687 70	
Bolton Street	1,584 32	
Stearns Street	1,231 51	
Fenno Street	1,225 96	
Vassal Lane	7,701 25	
Standish Street	1,530 14	
Chilton Street	1,532 22	
Appleton Street	4,789 86	
Walden Street	1,841 93	
Reservoir Street	1,744 35	
	<hr/>	\$39,084 69

REVENUE

Sewer Assessments	\$2,172 23
Sundry receipts (Maintenance)	61 78

METROPOLITAN SEWER TAX

Appropriation	\$114,341 14
Sinking Fund requirements	\$21,538 70
Interest account	48,539 45
Maintenance and operation	41,997 90
Maturing serial bonds	2,265 00
	<hr/>
	\$114,341 14

WATER WORKS

Water wasted over Stony Brook Dam as follows:

December, 1913		gallons
January, 1914	36,850,000	"
February, 1914	200,850,000	"
March, 1914	1,620,450,000	"
April, 1914	1,505,550,000	"
May, 1914	1,060,000,000	"
June, 1914		
July, 1914		
August, 1914		
September, 1914		
October, 1914		
November, 1914		

The total amount passing the dam during the year was 4,423,700,000 gallons.

NEW CITY WATER WORKS MAP.

This map to which reference was made in the last Annual Report has since then been completed and hung in the Water Department Office. The total cost of the map and its hanging has been \$1,028.51.

TABLE SHOWING COMPARISON BY MONTHS OF THE PRECIPITATION AT STONY BROOK BASIN, HARVARD OBSERVATORY, AND CAMBRIDGE CITY HALL; ALSO THE NUMBER OF DAYS IN WHICH RAIN FELL AT CITY HALL, DECEMBER 1, 1913, TO DECEMBER 1, 1914.

Point of Observation		1914												Total
		1913 Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	
Stony Brook Basin	Monthly Precipitation	2.99	3.43	3.34	4.97	5.37	2.69	1.79	2.50	4.49	0.17	1.69	2.50	35.93
Hobbs Brook Basin.	Monthly Precipitation	2.72	3.03	2.80	4.67	5.13	2.50	2.10	2.42	3.35	0.30	1.70	2.65	33.37
Harvard Observatory	Monthly Precipitation	4.42	1.36	4.31	3.82	5.99	2.74	1.64	2.59	2.85	0.27	1.58	2.73	34.30
City Hall.....	Monthly Precipitation	3.22	3.53	3.79	4.34	6.10	2.63	1.93	2.64	3.35	0.25	0.24	2.72	34.74
	No. of days in which rain fell	6	9	7	13	13	6	8	13	9	2	3	6	95

SANITARY SURVEY OF THE STONY BROOK WATER SHED

In the latter part of 1914 work was begun upon a sanitary survey and map of the Stony Brook Water Shed which is intended to locate and show all the brooks, water courses, ponds and swamps on the area, and also all buildings and possible sources of pollution which may exist on the water shed areas.

This map is intended to form a record of the sanitary condition of the water shed and also to form a basis for drainage and improving certain wet and swampy areas which exist on the upper branches of Stony Brook and its tributaries.

The major part of the work is now completed and the plan is well advanced toward completion. There has been expended to date on this work \$462.37.

WATER STORAGE.

The following statement shows the condition of the water supply as regards storage in the various reservoirs for the last fifteen years. A comparison of the figures will show that despite the reduced amount pumped for consumption the amount of water in storage January 1, 1915, is again rather small; only 1909, 1910 and 1911 show a smaller reserve of water stored for January first.

The relation between rainfall, overflow at Stony Brook Dam, and pumpage at Fresh Pond is shown graphically on the accompanying diagram. The most marked features are the continued period of unusually low rainfall and the consequent low overflow at Stony Brook Dam, and the encouraging falling off of the yearly pumpage.

CAMBRIDGE WATER WORKS

Statement Showing Condition of Storage at the Reservoirs on January 1, June 1, and November 1, of Each Year, 1901 to Date. Combined Storage Capacity of Reservoirs 3,095 Million Gallons.

	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915
Jan 1, Amount in storage	2727	3021	2849	2766	2608	2689	2314	2856	1399	1543	1089	1953	1954	2672	1660
Depletion in storage	368	74	246	329	427	406	781	239	1696	1552	2006	1142	1141	423	1435
June 1, Amount in storage	3095	3076	2890	3087	2827	3051	3043	3059	2573	2658	1841	3048	3095	3086	....
Depletion in storage	0	19	205	8	268	44	62	36	522	437	1254	47	0	9	....
Nov. 1, Amount in storage	2751	2849	2786	2548	2611	2356	2207	1824	1610	1399	1180	1907	2349	1964	....
Depletion in storage.	344	246	309	547	484	739	888	1271	1485	1696	1915	1188	746	1131	....

SUMMARY OF SEWERAGE STATISTICS

(In form recommended by Sanitary Section of Boston Society Civil Engineers.)

For the year ending April 1, 1915.

CAMBRIDGE, MASSACHUSETTS

GENERAL

Population by census of 1910	104,839
Total area of city.....	6,535 sq. miles
Area served by sewerage system.....about	6 sq. miles
Collection system for sewage only.....	30.181 miles
Collection system for sewage and surface water.....	111.003 miles
Collection system for surface water only.....	8.015 miles
Method of disposal, discharge into ocean by the Metropolitan (State) sewer.	

COLLECTION

Mains (everything but house and catch basin connections.)

	For sewage only	For sewage and surface water	For surface water only
Lineal feet extended during the year	7609.5	.....	.....

Method of flushing.....By use of hydrant hose
Method of cleaning.....By scraping and flushing

HOUSE CONNECTIONS

By whom made.....By property owners
Sizes 6 inch diameter
Number made during year.....238

CATCH BASINS

Number of new ones built..... 22
Number cleaned1335
Average amount of material removed per catch basin..... 2.17
Cost of removing material per cubic yard..... 2.61
Cost of removing material per catch basin per year..... 5.66

DISCHARGE OF SEWAGE

Estimated population using sewer sytem..... 110,000
Number of buildings connected (estimated at)..... 15,300

FINANCIAL

CONSTRUCTION

RECEIPTS.	EXPENDITURES
Bonds issued	Collection works
Assessments not available for expenditure 2,234 01	(a) Mains .....\$47,956 36
Appropriation 50,224 57	Balance \$2,268 31

MAINTENANCE AND OPERATION

RECEIPTS		EXPENDITURES	
Appropriation	\$20,658 93	Administration	\$8,116 49
Sundries	61 78	Repairs	2,136 74
		Cleaning sewers	1,785 94
		Cleaning catch basins.....	7,559 68
		Flushing sewers	1,060 08
		Balance	0 00
	<hr/>		<hr/>
	\$20,720 71	Total	\$20,658 93
		Interest on bonds	
		Sinking fund	

GENERAL

Total cost of collecting mains.....
Total cost of works to date.....\$2,386,411 78
Bonded debt at date.....
Value of sinking fund at date.....
Average rate of interest on bonds, 3½ and 4%
Proportion of cost of system assessed on abutters estimated at 3/4
Yearly assessment for maintenance, nothing.
Method of assessing abutters and rate of assessment, based on frontage and
area of lot within 100 feet of street.

The Engineering Department is organized as follows:

City Engineer,

LEWIS M. HASTINGS.

Principal Assistant,

GEORGE DAVIS.

Assistants.

HENRY T. BURRAGE, Office Assistant and Draughtsman.
G. FRANK HOOKER, in Charge of Street Work.
EDGAR W. DAVIS, in Charge of Sewer Work.

Transitmen,

HENRY F. ROWE. DONALD REARDON

Clerk and Stenographer,

MARY E. ROWEN.

Superintendent of Sewers,

THOMAS P. O'NEILL.

SEWERS CONSTRUCTED BETWEEN APRIL 1, 1914, AND APRIL 1, 1915

Street	From	To	Material	Size in Inches			Number of			Average Depth in Feet	Length in feet			Cost		Time when work was	
				Combined	Storm	Sanitary	Man-holes	Lamp holes	Inlets		Combined	Storm	Sanitary	Per foot	Total	Begun	Finished
*Appleton St.	Vassal Lane	Concord Ave.	Akron pipe	.....	.....	8	2	1	42	10.6	.....	.....	642.8	\$3.94	\$4,789.86	Dec. 9, 1914	Feb. 16, 1915
Appleton St.	Vassal Lane	S'yly.	" "	.....	.....	8	1	2	36	9.7	.....	.....	573.8	.....	.....	Feb. 26, 1915	March 23, 1915
Banks St.	S. of Stiles St.	S'yly to angle	" "	.....	10	8	1	.....	12	9.3	.....	82.3	80.0	5.02	413.05	May 19, 1914	May 27, 1914
†Bolton St.	Sherman St.	W'yly.	" "	.....	.....	8	1	1	15	8.0	.....	.....	359.2	1.62	1,584.32	July 9, 1914	July 22, 1914
Bolton St.	Sherman St.	W'yly and N'yly.	" "	.....	.....	8	2	1	39	6.0	.....	.....	619.7	.....	.....	July 22, 1914	Aug. 5, 1914
‡Concord Ave.	Alpine St.	Alewife Brook	Concrete and Akron pipe	.....	.....	15, 18, 20	7	.....	94	9.5	.....	.....	2104.4	5.20	15,687.70	March 27, 1914	Aug. 1, 1914
			Akron pipe	.....	.....	24 x 30	2	2	58	9.3	.....	.....	910.0	.....	.....	July 29, 1914	Sept. 11, 1914
Concord Ave.	W. of Walden St.	W. of Huron Ave.	" "	.....	.....	8	1	2	53	9.0	.....	.....	691.8	2.21	1,532.22	Nov. 5, 1914	Dec. 10, 1914
Chilton St.	Vassal Lane	Huron Ave.	" "	.....	.....	8	1	1	39	9.0	.....	.....	567.0	2.16	1,225.96	Aug. 26, 1914	Sept. 16, 1914
Fenno St.	Garden St.	Esten St.	" "	.....	.....	8	.....	.....	20	6.0	265.5	.....	.....	2.91	772.48	Nov. 11, 1914	Nov. 25, 1914
Hölworthy St.	N. of Fountain Ter.	N'yly.	" "	15, 12, 10	.....	8	2	.....	62	8.2	.....	693.3	250.3	3.69	2,143.35	Sept. 22, 1914	Nov. 3, 1914
Irving St.	Francis Ave.	Bryant St.	" "	.....	15	8	3	1	17	7.3	.....	153.0	148.0	3.24	496.29	March 30, 1914	April 10, 1914
Lamont Ave.	Magnolia Ave.	S'yly.	" "	.....	10	8	1	.....	14	6.7	217.6	.....	.....	2.79	602.86	May 18, 1914	June 4, 1914
§Newton St.	Chestnut St.	N'yly.	" "	10	.....	8	1	.....	14	11.5	.....	127.8	114.9	7.76	991.64	Sept. 12, 1914	Sept. 29, 1914
Nutting Pl.	Mt. Auburn St.	S'yly.	" "	.....	10	8	.....	2	14	9.5	.....	.....	781.6	2.23	1,744.25	March 8, 1915	.....
1 Reservoir St.	Vassal Lane	S'yly.	" "	.....	.....	8	1	2	43	8.5	229.6	.....	.....	2.46	564.79	June 26, 1914	July 9, 1914
Sixth St.	N. of Bent St.	S. of Bent St.	" "	10	.....	8	1	1	10	8.0	.....	.....	869.8	1.76	1,530.14	Sept. 30, 1914	Dec. 10, 1914
Standish St.	Vassal Lane	Huron Ave.	" "	.....	.....	8	2	1	65	9.0	.....	.....	580.5	2.12	1,231.51	Aug. 3, 1914	Sept. 1, 1914
Stearns St.	Garden St.	Esten St.	" "	.....	.....	8	.....	2	40	8.2	.....	139.5	138.3	2.78	387.35	Nov. 4, 1914	Nov. 11, 1914
St. Gerard Ter.	Hollis St.	E'yly.	" "	.....	8	8	.....	2	13	8.2	.....	180.6	184.7	4.07	751.21	April 3, 1914	April 16, 1914
Summer St.	Amory St.	W'yly.	" "	.....	10	8	1	.....	25	9.5	.....	.....	2228.1	3.46	7,701.25	Sept. 14, 1914	Feb. 8, 1915
Vassal Lane	Lake View Ave.	Appleton St.	Concrete and Akron pipe	.....	.....	15, 12, 10	9	.....	121	.....	.....	.....	.....	.....	.....	.....	.....
Walden St.	Vassal Lane	Concord Ave.	Akron pipe	.....	.....	8	1	1	34	9.0	.....	.....	548.7	3.36	1,841.93	Feb. 10, 1915	March 4, 1915

*Cost includes both parts of Appleton Street.
† " " " " Bolton Street.
‡ " " " " Concord Avenue.
§Cost includes 30 ft. of relay in Chesnut Street.
1 Not yet completed, work still going on.

Three temporary assistants in addition to the above have been employed in the department during the summer.

Respectfully submitted,

L. M. HASTINGS,
City Engineer.

REPORT OF THE TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY

Cambridge, Mass., March 31, 1915.

To the Honorable, the City Council, of the City of Cambridge,

Gentlemen:—The Board of Trustees of the Cambridge Public Library respectfully submit this their fifty-seventh annual report, covering the fiscal year ending March 31, 1915.

While utilitarianism is not the sole standard of measurement of the work of any great city institution, still it cannot be entirely set aside, because the "utile" enters so largely into present day life. Yet were the library efforts of the year just closed measured simply by this standard, there would be just cause for gratification. The library opened its doors to the people of Cambridge in 1858—over-five decades and a half ago—and the year now closed bears upon its pages the story that the circulation of books was larger than that of any previous year in the library's history, showing very clearly that our people are turning in ever-increasing numbers to the library for assistance in the various lines of practical life.

While the opening of the Cambridgeport Branch is to a considerable extent responsible for the increase, still we feel that it is in a large measure due to the effort to make the library serviceable to all the people, by the addition of books which appeal not merely to the fancy or that fill the leisure hour, but which serve to educate the library user. Anyone who has at all followed the published lists of acquisitions will readily see that the aim has been service to all and the maintenance of the best possible standards.

Since the children are to be the library frequenters of the future, we gladly appreciate the co-operation of the schools and eagerly bespeak their continued collaboration, requesting that principals and teachers call to the attention of the pupils the advantages of the library—to the end that becoming accustomed to the use of it while young, they may, as men and women, find it a source of recreation, help in practical lines, and a fountain of intellectual advancement.

While the school is the natural channel of introduction of the pupil to the library, the home ought to recognize it as an influence for

good. We request, then, the good will of the parents of our children. To them the Trustees give the assurance that the great desire of the Board is to elevate the taste of the young, and to throw about their reading every safeguard; hence there should be no fear about sending the children to the library. A glance at the bookcases and at the art decorations of the Children's Room will demonstrate how this desire is being carried into effect.

The Trustees believe that the establishment of branches and reading rooms in various districts of the city will render the best service. The success of the Cambridgeport Branch emphasizes this belief, and in accordance with it, plans are already in contemplation for the opening of new branches in the Mt. Auburn District and in Ward Three. In both these projects we make cordial acknowledgment of our gratitude—to the School Committee for setting aside a room in the new schoolhouse, now in process of erection in the Mt. Auburn District, and to the Cambridge Park Commission in offering the use of a room in the shelter on Cambridge Field, for branch purposes.

Again the Board feels the necessity of calling attention to the condition of the library grounds. The paths have become unduly widened and, in places, badly sunken. To prevent their further widening it would seem economical to plant hedgerows at various points along the borders, and to lay granolithic walks.

The lighting of the grounds is still insufficient, especially on the Cambridge Street side of the building. The installation of more lamps would contribute to the appearance of both the building and the grounds as well as insure greater safety.

The Trustees again gratefully make acknowledgment of the funds, whether donated or bequeathed, for the advancement of library work in our beloved city, and remind public-spirited citizens that generosity towards the library will assist the present, and be a pledge of interest in succeeding generations of Cambridge folk.

For a detailed account of the year's work you are respectfully referred to the Librarian's report which follows:

EDWARD P. COLLIER, *President*,
JOSEPH L. P. ST. COEUR, *Treasurer*,
WILLIAM J. BARRY,
JOHN E. SOMERS,
WILLIAM J. E. SANDER,
JOHN W. BRADLEY,
THOMAS F. ATKINSON.

The Trustees.

REPORT OF THE LIBRARIAN

Cambridge, Mass., March 26, 1915.

To the Board of Trustees,

Gentlemen:—The record of books issued through the Central Library and its branches during the year ending March 24, 1915, shows a total of 339,176 and an increase of 55,157 volumes. The record is notable as revealing not merely the largest annual circulation but the largest gain occurring in any year since the foundation of the library in 1858. Of the total number of volumes circulated, 149,583 were issued through the Central Library, 55,959 through the Cambridgeport Branch, and 79,891 and 53,743 through the branches at North Cambridge and at East Cambridge respectively. These figures do not include approximately 5,000 volumes sent through the local department of the Central Library to schools and deposit stations. Neither do they include 12,223 volumes issued at the Central Library for use in the reference department.

A comparison of the statistics of this year with those of last year is exceedingly gratifying for it proves that the Cambridgeport Branch has rapidly fulfilled its first great promise of success, that the branch at North Cambridge has continued to do the good work it has long been accomplishing, and that the effort to meet new conditions at East Cambridge has resulted in a gain of 5,741 in the number of volumes issued there. It proves too that the number of books circulated at the Central Library has increased considerably, though, because of its location, its work might well have been affected, slightly at least, by the large circulation of the recently established branch at Central Square.

BOOKS. Of the 106,881 volumes which the library now possesses 89,689 are in the Central Library. Of the remainder 5,573 are at the East Cambridge Branch, 6,449 at the North Cambridge Branch and 5,170 at the Cambridgeport Branch. Of the 8,210 volumes which were acquired during the year 4,420 volumes were added to the Central Library and 1,169, 1,183 and 1,437 to the East Cambridge, North Cambridge and Cambridgeport Branches respectively. Of the number added to the Central Library 2,769 were new titles and 1,652 replaced

books missing or worn out and discarded. At the East Cambridge Branch Library the number of new titles was 575 and of replaced volumes 594; at the North Cambridge Branch 686 and 497; at the Cambridgeport Branch 1,425 and 12.

During the summer and fall the shelves at the North Cambridge and East Cambridge Branches were gone through very thoroughly and all volumes needing rebinding or replacement were withdrawn, so that the books at both branches are probably now in better condition than they have been for some years. That so few books were replaced at the Cambridgeport Branch is due chiefly to the fact that the books worn out and discarded there were practically all duplicate volumes originally transferred from the Central Library, which it was not thought advisable to replace at the branch.

Within the last few months we have greatly strengthened our collections in the fields of technical and practical arts. Considerable additions, too, have been made to the literature of industry and commerce. We have also increased the small collections of Portuguese and Polish books purchased last year for the East Cambridge Branch, and to each of the branches we have added a considerable number of volumes designed to aid foreigners in acquiring a knowledge of English. Included in this number have been all the books selected by the Massachusetts Library Commission for its list of "Books about America for New Americans."

In my first quarterly report, dated Sept. 26, 1913, and in my annual report of last year I called attention to the fact that no inventory of the books of the adult department of the Central Library had been made since 1908. I then expressed the belief that, for the sake of efficiency and of determining to what extent the books catalogued were actually available, an inventory should be made. I expressed too, my hope that it might be found possible to make it this year, though I realized that an inventory of approximately 90,000 volumes in active circulation was not a task to be lightly undertaken. Yet it has been undertaken and completed, under the direction of Mr. O'Brien to whom the chief part of the work fell, with results which well repaid the labor which it involved.

It discovered 556 volumes which were misplaced on the shelves, though they had been recently rearranged; 700 volumes which bore incorrect shelf numbers on their covers, 26 volumes which had been reported lost and replaced, and incidentally, a number of cards inaccurately filed in the official shelf list of the library. The discovery of these

errors brought with it a certain degree of satisfaction, since to prevent their repetition required only the institution of certain administrative changes and the application of certain remedial rules which I had already begun to formulate. The discovery of the loss, chiefly, it is to be assumed by theft from the open shelves, of 1,538 volumes could, however, bring little except regret, since to avoid similar experiences in future would involve the withdrawal of such limited open-shelf privileges as the library has long been accustomed to grant; and the withdrawal of a privilege in effect for so many years could not fail to entail on the part of the public an amount of dissatisfaction and criticism which would inevitably react disastrously on the interests of the library and the usefulness of the work which it is doing.

Yet perhaps there is some consolation to be gained from the reflection that the losses are only fifty per cent. of those revealed by the inventory made in 1908 and that they are almost certainly much smaller than those of libraries which adopt the open shelf system in its entirety. Possibly, too, consolation will be found in a realization of the length of time over which these losses extend, and in a consideration of the amount of legitimate profit and pleasure which the open shelves have in that time afforded to the users of the library. Doubtless the rules adopted last year in regard to stack privileges and in regard to the issue of books for hall use have tended to lessen the chances of loss. And surely the new method of protecting books in the juvenile department, while avoiding financial loss to the library and obviating a dangerous practice among children, must result in a higher regard for public rights and property.

CATALOGUING. In the matter of cataloguing much has been accomplished in addition to the current work of the year, which in itself involved the classifying and cataloguing of more than 5,400 volumes. The extra work included the practical completion of the special catalogue of genealogical works and books of local history for the use of the patrons of the local history room, and the re-cataloguing for the Cambridgeport Branch of about 2,500 volumes transferred from the Central Library. It included, too, the preparation of 631 analytical cards covering reports of the Smithsonian Institution, the re-classifying of books on aerial navigation, the cataloguing of a considerable number of opera librettos not hitherto available for circulation, and the re-classifying and re-cataloguing of about 200 books previously recorded only in the old printed catalogues of the library.

We have added one hundred and twenty-five special entries under the heading of woman suffrage, and we have greatly increased the number of cross references in the general catalogue, realizing that if the public is to find its way readily in so extensive a field guide posts must be placed even where to the library worker the path seems plain. We have begun, also, a more complete cataloguing of the books of the juvenile collection, in the knowledge that this more intensive analysis and fuller record must prove of advantage both to the children and to library assistants. For the extraneous helps and guides on which the assistants must otherwise depend invariably indicate many books which are not included in our collection and omit many which we have. They are, moreover, individually incomplete, so that the attendant must consult several of them and then rely in large measure on memory to determine which of the volumes referred to our special collection contains. This, in the press of work, the attendant will often be unable to do with any degree of ease or thoroughness, while to locate the proper reference in a card index, sufficiently detailed, will take but a few moments; and those moments may well be of value to the inquiring youngster who will have had a practical demonstration of the way in which he can get for himself, through an index immediately available, information otherwise obtainable merely through printed guides to which only an experienced library assistant can have access.

As part of this systematic effort to make the books of the library more ready of access and to broaden and multiply the channels of approach to them, we have begun to depart from the long-established rule of entering works of a biographical nature only under the name of the person by whom the book is written and of the person with whose life it is chiefly concerned. For it not infrequently happens that a biography or memoir is of moment not only as the record of an individual life, but for the light which it throws on some political, scientific, social or artistic movement.

At the Central Library the special index of works of non-fiction in foreign languages has been so rearranged as to insure its being more easily used. At the East Cambridge Branch Library the catalogue and shelf list have been compared with the official records of the Central Library and necessary readjustments have been made. Allied to this has been the rearrangement on the shelves according to a consistent classification, of books of literature, science and history.

CHILDREN AND SCHOOLS. The issue of 105,026 volumes through the juvenile departments of the central and branch libraries is one of the outstanding facts in the work of the year with children. The increase in the children's reading of books of literature, science and history has been most notable at East Cambridge, where perhaps it affords deepest satisfaction. But hardly less gratifying has been the gain of more than 6,000 volumes in the circulation of the juvenile department of the Central Library, for it justifies to a certainty the hope expressed last year that the administrative, economic and educational advantages of the system of enclosed shelves would be paralleled by a greater use of the books, as a result of the more attractive condition in which it enables us to keep them and of the protection which it affords against the loss of volumes most in demand.

The gain is doubtless attributable also to the work of reorganization, which was one of the considerable tasks accomplished during the year. As I indicated in my first quarterly report, the catalogue of the juvenile department recorded approximately 5,000 volumes though not more than half that number were really in the possession of the library, nor would the shelves of the department accommodate more. In many cases books listed in the catalogue had been missing for several years, yet no attempt would seem to have been made to decide whether they should be withdrawn permanently. It became necessary, then, to determine which of the volumes catalogued should be withdrawn and which should be retained or replaced. With only half the number of books catalogued actually at hand the task of deciding as to their literary and educational value was a complicated one. I availed myself, however, of the advantages of a comparison of the printed catalogues of the children's departments of the Public Library of Boston and of the Carnegie Library of Pittsburgh, as well as of the lists prepared by the Departments of Education of the States of Wisconsin and Minnesota. Of how fortunate the resulting selection was I have twice recently had most satisfying evidence.

During October the freshmen classes of the Cambridge High and Latin School came to the library for systematic instruction in the use of its resources. To instruct seven hundred and fifty pupils, in groups of eight or ten, in the use of catalogues and books of reference obviously entailed a considerable addition to the regular work of the library but from the point of view of the schools and of the library it was time and effort well expended. It was found worthy, too, of special mention in the December Bulletin of the Massachusetts Library

Club, and it was a source of genuine gratification to discover that the method used here for the first time last fall for the exposition of the catalogue was the method which was demonstrated at the autumn meeting of the Library Club at Stockbridge, and to which particular attention was called in the January issue of the official organ of the American Library Association.

At the story hour, which has been held by the children's librarian on Saturday afternoons, the total number in attendance has exceeded eleven hundred.

The usual collections of books were sent to the grammar schools of the city, under the method of distribution which was inaugurated last year and which resulted in a saving of $66\frac{2}{3}\%$ in the labor of handling books here and in the cost of transporting them to the schools. That it has been found more satisfactory to the teachers I have heard from several sources. Two of the masters have taken pains to write me of their satisfaction in it and I am told that as a result of it some of the schools had last year for the first time an adequate supply of books.

Supplementing the new system of charging books to the schools at the library, we have instituted a new method of charging them to pupils at the schools. The new plan will enable us to include in our statistics hereafter not merely the number of volumes sent to the various schools but information as to the number of volumes borrowed by the pupils for home use; information which we have this year omitted because of the expense and uncertainty involved in collecting it under the system of charging heretofore in operation.

This year, as last, the schools and library found many possible points of contact. We have co-operated in the preparation of lists of books to be read by the pupils of several schools, and to several of the evening schools we sent magazines for the use of foreigners engaged in the study of English. We have solicited the co-operation of teachers and principals in a campaign to induce in the minds of the children greater reverence and care for library books, calling their attention to the fact that the cost of repairing, rebinding and replacing juvenile books is one of the considerable items in the annual budget of the library. We have asked their suggestions too in the work of reorganizing the school loan collections, the value of which it is hoped may be greatly increased, though the work of reorganization will necessarily be gradual since because of the need of economy, new titles can be added only as less useful volumes are worn out and withdrawn.

Many of the books of the collections will be replaced by a greater proportion of children's classics, in which at present they are seriously lacking.

BUILDING AND EQUIPMENT. Of more than usual moment in the work of the year have been the repairs to the libraries and the additions to their equipment. At the Central Library they have included, in the matter of lighting, the placing of 250 tungsten lamps in the stack rooms, the installation of electric standards at the delivery desk, of new wall fixtures and central chandelier in the children's room, of new table lamps of simple and substantial pattern and new indirect lights of Gothic design, in keeping with its architecture, in the reference room, of new indirect lights in the catalogue and trustees' rooms, of new wall fixtures in the newspaper room and of a new chandelier in the vestibule of the delivery room.

In the matter of equipment they have included new newspaper racks of quartered oak, a 60-tray filing cabinet for the catalogue room, new pictures, chairs and attendant's desk for the children's room, 250 metallic book supports for the stack rooms, and three new typewriters, obtained at a very reasonable premium in exchange for our machines of an older model.

In the matter of repairs they have included the entire refinishing and refurnishing of the attendants' rest room, needed repairs to the plumbing equipment and the usual repairs to the roof, the renovation of the busts in the newspaper and reference rooms, the cleansing of certain valuable engravings given to the library many years ago, the painting of the ceiling of the Cambridge Room, the refinishing of the woodwork, walls and ceilings of the catalogue and trustees' rooms, and of the floors and furniture throughout the library. They have included also the purchase of new shades for the trustees' room, the turning of those in the catalogue, local history and reference rooms, and the removal of unused shades from portions of the building where they were not needed and where they served only to collect dust.

These have represented our major efforts to maintain and increase the attractiveness of the library building but its improved appearance is due perhaps in hardly less degree to such details as the rearrangement of pictures so that engravings and oil paintings are no longer in conflict, the substitution of signs carefully lettered and simply framed for signs roughly stenciled on cardboard which quickly became ragged and soiled, and the installing of simple brass fasteners to replace the bricks which for a quarter of a century had held back

the doors of the newspaper room and the entrance to the stacks. Included in the long list are such other details as the reburnishing of brass plates, rods, coat hooks and electric fixtures, the dyeing of draperies and the cleansing of rugs in the catalogue and trustees' rooms, and the re-making and re-covering of the long leather cushion in the newspaper room. To enumerate them fully would be both tedious and unprofitable but it is probably worth while to mention the refinishing of the basements beneath the delivery and children's rooms, which it was first necessary to relieve of an assortment of old books accumulated during almost twenty-five years. A few of them proved valuable, but for the most part they were worth only their weight in old paper. That we sold more than three thousand pounds indicates the extent of the accumulation and the labor which sorting it out involved.

It is probably worth while, too, to recall that the expenditure for repairs and equipment this year was 100 per cent. in excess of the amount heretofore expended for these items from any regular budget of the Central Library, though the budget itself was not larger than in many previous years. And lest in retrospect the expenditure seem needlessly great, it may be well to recall such significant facts as the condition of the attendants' room furnished with three old chairs, one of them a bed-room rocker, two old tables, the legs of one held together by a piece of rope, and an old lounge through the haircloth covering of which the springs protruded painfully, or the condition of the children's room with the finish worn from its tables, with brass tacks projecting dangerously from many of its discolored chairs, and with the attendant's desk, roughly sheathed on one side and the front, propped to the required height on four rough wooden blocks.

Additions to the furnishings and equipment of the Cambridgeport Branch included attractive window signs, a clock, magazine binders and a large magazine case, a new book case, umbrella stand and attendant's chair, and four lengths of rubber matting.

Because of the extensive repairs made at the end of the last fiscal year, including the painting of walls, ceiling and woodwork and the refinishing of bookcases, as well as the installation of a system of lighting which is at once more adequate and attractive and more economical, there was less to do this year at the North Cambridge Branch Library, but such lesser matters as the renovation of desks, tables and chairs, the refinishing of the attendant's room, and the

purchase of a new clock, case numbers, magazine holders, window shades and floor treads required and received attention.

Improvements and repairs at East Cambridge included the purchase of new magazine holders, the addition of new pictures and, as a consequence, the more effective arrangement of the old ones, the refinishing of the book cases in the adult department, the completion of the system of electric lighting begun two years or more ago, and the installation of new book cases in the juvenile department, increasing by about half its shelving capacity.

GIFTS. Of the gifts of the year the most considerable was the sum of \$1111.75 in full and final payment of the bequest of Mehitable C. C. Wilson, under which the library received last year \$432. From Mrs. Edward Abbott of Dana Street, the library received a marble bust of Sappho and from the Rev. M. K. Schermerhorn a portrait of Washington. Gifts of books have been made by the Academy of Political Science of Columbia University, Mrs. Stella Hidden Alexander, American Telephone and Telegraph Company, American Unitarian Association, Baker & Taylor Company, Josiah H. Benton, Boston Public Library, Cambridge Historical Society, Carnegie Endowment for International Peace, Carnegie Foundation for Advancement of Teaching, Carnegie Hero Fund Commission, Edward W. Chapin, City of Cambridge, Columbian Print Company, Commonwealth of Massachusetts, Cutler-Hammer Manufacturing Company, Frederick S. Dietrick, Electric Railway Journal, Edward Clarence Farnsworth, Free Library of Philadelphia, Lee M. Friedman, General Board of Education of New York, Hale Memorial Fund, Virginia Hall, The Misses Harris, Harvard University, House of Representatives of the Philippine Islands, Illinois State Historical Library, John Crerar Public Library, Edmond Kelly, Lucian Lamar Knight, Mrs. Thomas A. Lawton, Mrs. Dora Leadbetter, Lexington, Mass., Lady Constance Lytton, Massachusetts Library Club, Massachusetts Library Commission, Massachusetts Society of the Sons of the American Revolution, F. H. Merrill, Metropolitan Park Commission of Massachusetts, Middlesex County Commissioners, G. A. Miller, Frank P. Morrill, National Terra Cotta Society, M. P. Neighbor, New York Public Library, State University of New York, New York Stock Exchange, Luis Thayer Ojeda, Thomas Thayer Ojeda, Old Corner Book Store, E. W. Ordway, Oriental Tea Company, Edmund Deacon Peterson, C. Poncet, Smithsonian Institution, William H. Spencer, System Company, Slason

Thompson, Tufts College, United States Brewers' Association, United States Bureau of the Census, Department of Commerce, Department of Commerce and Labor, Commissioner of Education, Board of Geographical Names, Interstate Commerce Commission, Department of Labor, Library of Congress, Navy Department, Superintendent of Documents, Treasury Department, War Department, Mrs. Charles Walker, Wisconsin State Historical Society, Mary Woodman, Joseph Wright, Yale University.

FINANCES AND ADMINISTRATION. The same regard for costs and returns and the same scrutiny of expenditures which last year made possible the equipment of the Cambridgeport Branch Library has been exercised this year. No effort has been spared to obtain the lowest prices consistent with good material and workmanship, and where feasible, supplies have been bought in such quantities as would permit of our taking advantage of the better rates thus procurable. I have again inspected personally every book discarded or rebound, with the result that the binders' bills at the Central Library aggregated this year as last only \$800 as compared with an average expenditure of \$1,300 during several years previous. As a consequence of the new method of distributing books to the schools, and of the discontinuance of local delivery stations made possible through the establishment of the branch library at Central Square, the item of carrying charges and agents commissions amounted to but \$206.50 as compared with an average annual outlay, during ten years past, of \$839.40. There is shown therefore in these two items alone a saving of more than \$1,100.

There have been considerable reductions, too, in the expenditures for lighting and printing, and, through obtaining competitive bids, in the cost of magazine subscriptions which this year at the Central Library amounted to \$647.91 as compared with an average annual expenditure since 1910 of \$853.25. The savings in this item at North Cambridge and East Cambridge Branches have been, proportionately, even greater. The expenditure at East Cambridge amounted to \$72.97 and at North Cambridge to \$121.55, as compared with average annual expenditures since 1910 of \$128.91 and \$209.84.

It was mainly through these economies that we were able to make such extensive repairs and improvements in the Central Library building and such considerable additions to its equipment without increasing the aggregate sum of the budget.

The inevitably large amount of clerical work incidental to check-

ing, recording, cataloguing and classifying new acquisitions has been considerably simplified. Various necessary records and memoranda have been so utilized as to serve several distinct purposes. For example, order cards for volumes to be replaced now serve also as process slips, and the memoranda from which the weekly lists of new books are compiled serve eventually as a classified record of acquisitions for the year. Printed catalogue cards from the Library of Congress are ordered largely by file number rather than by author or title, and orders for the Central Library and the branches are placed, when possible, at the same time, with resulting economy of time, labor and expense.

The financial records of the library have been readjusted. Heretofore the monthly finance sheets of the Trustees have included bills paid from the city appropriations under date of the 30th of the preceding month and the 10th and 20th of the current month, together with bills authorized for payment from trust funds on the 26th of the preceding month; the report of the Treasurer has included income received up to the 26th of the current month, but has omitted expenditures later than the 26th of the preceding month. Hereafter all reports will be made as of the first of the month. They will thus correspond with the monthly statements of the City Auditor and of the bank, against which they can readily be checked.

A very complete and deliberate rearrangement of the work of the Central Library has been effected so as to permit of its being carried forward with greater thoroughness and under more careful supervision. How profitable this readjustment has been is perhaps sufficiently indicated by the fact that, despite the increase in the regular work of the Central Library incident to the establishment of the new branch library, it is now being carried with one assistant less than at any time since 1907.

This could not, of course, have been accomplished without the generous encouragement of the Trustees nor without the loyal and constant co-operation of the library staff, of which I am happy to again record my appreciation.

M. R. COPITHORNE,

Librarian.

APPENDIX

EXPENDITURES FROM CITY APPROPRIATION
CENTRAL LIBRARY

Salaries

Appropriation	\$13,749.75
Expended	13,500.95

Amount unexpended \$248.80

General Expenses

Appropriation	\$9,887.25
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Expenditures

Binding	\$803.11
Books—new	2,511.49
“ replaced	1,043.62
“ School—new	29.31
“ “ replaced	161.64
Periodicals	647.91
Fuel	864.74
Equipment	1,177.48
Incidentals	170.81
Insurance	456.00
Lighting	510.81
Local station	206.50
Printing, postage and stationery	424.73
Repairs	738.61
Telephone	136.40

\$9,883.16

Amount unexpended \$4.09

EAST CAMBRIDGE BRANCH LIBRARY

Salaries

Appropriation	\$1,424.00
Expended	1,419.40

Amount unexpended \$4.60

General Expenses

Appropriation	\$2,100.00
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Expenditures

Binding	\$311.03
Books—new	752.48
“ replaced	543.32
Periodicals	72.97
Equipment	107.87
Incidentals	38.86
Insurance	
Lighting	109.22
Printing, postage and stationery	86.52
Repairs	53.42
Telephone	24.00

\$2,099.69

Amount unexpended \$.31

NORTH CAMBRIDGE BRANCH LIBRARY

Salaries	
Appropriation	\$2,311.50
Expended	2,311.46
<hr/>	
Amount unexpended	\$.04
General Expenses	
Appropriation	\$2,100.00
Expenditures	
Binding	\$487.13
Books—new	512.81
“ replaced	482.59
Periodicals	121.55
Equipment	67.00
Incidentals	79.44
Insurance	
Lighting	136.33
Printing, postage and stationery	85.69
Repairs	97.94
Telephone	25.56
<hr/>	
	\$2,096.04
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Amount unexpended	\$3.96

CAMBRIDGEPORT BRANCH LIBRARY

Salaries	
Appropriation	\$1,327.50
Expended	1,327.41
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Amount unexpended	\$.09
General Expenses	
Appropriation	\$2,100.00
Expenditures	
Binding	\$216.31
Books—new	833.93
“ replaced	1.80
Periodicals	93.40
Equipment	22.56
Incidentals	13.84
Insurance	18.00
Lighting	87.72
Printing, postage and stationery	28.63
Rent	720.00
Repairs	37.89
Telephone	24.00
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	\$2,098.08
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Amount unexpended	\$1.92

Summary of the report of the Treasurer of the Board of Trustees from March 26, 1914, to March 26, 1915, will be found in the report of the City Auditor.

REPORT OF THE SCHOOL COMMITTEE

SUPERINTENDENT'S REPORT.

To the Honorable, the School Committee:—

I submit, herewith, my third annual report, which is the forty-seventh in the series of annual reports by the superintendent. This report is incorporated in the seventy-fifth of the printed reports of the School Board of Cambridge.

Work has been centered during the past year upon the perfecting of the organization of the schools and of the system of promotions and upon the completion of the course of study.

ORGANIZATION.

The "Special Classes" have been given much thought and attention. These classes are of six distinct kinds.

I. *Steamer Classes.* In these classes are placed the boys and girls who do not speak English—who come directly from the steamer to our schools and who are generally between the ages of ten and sixteen. It has been the custom to place such pupils in the first grade and their progress has been necessarily slow. Now, they are in rooms specially equipped for them and cared for by a teacher specially trained to teach non-English speaking pupils. These pupils in the past required four, five and six years of preparation before they were able to meet the State requirements for work. Now they are fitted to leave school in from one to three years. There is a steamer class at the Gore School and one at the Wellington School.

II. *Open-Air Classes.* These classes are composed of anaemic children and children predisposed to tuberculosis—whose condition, a result of either illness or heritage, makes them an easy prey to disease and thereby endangers the health of others. These children are cared for by specially trained teachers who are devoted to their work. Special attention is paid to these children by the school nurses and the school physicians. For these children the morning sessions open at the usual hour, but, as restoration to health is the primary object and progress in studies but secondary, the course of study and hours

of study and relaxation are somewhat unusual. They are taught in the open air and are given systematic exercises in correct breathing. They have a glass of milk or of cocoa at the morning recess; they remain at the school during the noon recess, being provided with milk, cocoa and some heat-producing food to add to the luncheon brought from home; after the noon luncheon, they wrap themselves in warm blankets, caps and overshoes and sleep for an hour either on steamer chairs or on cots. The regular work is then resumed for an hour and a half. They are dismissed one-half hour before the regular classes and kept under supervision at noon to secure the needed rest and freedom from too active exercise.

It is gratifying to see the improvement which a few months of this care makes in the pupils, and to note the unmistakable signs of returning health. Open-air classes are maintained in the Felton, Reed and Thorndike Schools.

III. *Classes for Mental Defectives.* These classes contain those children who, handicapped by accident, by disease or by heredity, can make very little, if any, progress in the regular grades and will, if not cared for in special classes, hinder the work of the regular grades, troubling both teacher and pupils. These children can be effectively taught; and, under the instruction of enthusiastic, intelligent and sympathetic teachers, they have made wonderful progress and joy and comfort have been brought to many a home. In many cases the mind has been so effectively aroused and so happily stimulated that children have been able to re-enter the grades.

The teachers of these classes, through the courtesy of Dr. Dyer, Superintendent of the Boston Schools, attend the Friday afternoon lectures (given by noted men and women who have made a life study of mental and physical deficiency) for the Boston teachers who are engaged in similar work; or they visit with some of their pupils the psychopathic hospital or one of the several State institutions devoted to the study of such cases. Classes for the mental defectives are held in the Harvard, Kelley, Shepard and Taylor Schools.

IV. *Pre-Vocational Classes.* These classes were formed to take care of the "over-age" pupils who were unhappy in school and wished to leave, and of children who found it difficult to get knowledge from the printed page.

I am greatly pleased with the progress which has been made by the pupils of the pre-vocational classes. I can now depend upon them to uphold the good name and honor of their respective schools.

The time of these classes is divided about equally between academic and industrial work, the academic work being carefully graded for this class. These classes take the place of manual training classes. They may be observed in the Ellis, Putnam, Thorndike and Webster Schools. I recommend that similar classes be formed in the Houghton, Roberts and Russell Schools.

V. *Trade Classes.* These classes provide for boys and girls who would not become graduates of the grammar schools and who would be obliged to leave school if work of this kind were not arranged for. They are given "hand" work and work adapted to their needs. The pupils admitted to these classes are those who have shown a special ability in this line of work.

VI. *Class for Stammerers.* I found in the grades about sixty young people who (because of improper breathing habits and want of self-control occasioned by sickness or mental shock) are not able to talk without great effort and consequent humiliation. These pupils are now in charge of a teacher who has had special training in preparation for work with such pupils,—a graduate of the Emerson School of Oratory. I sincerely believe they will be greatly benefited in a few months and I confidently expect that they will be cured. The value of this work will appear in the relief of the pupils and in the happiness of the parents.

The teacher of this class meets her pupils in several school centers to suit the convenience of pupils too young to travel on the cars.

The results of this organization of special classes are seen among the pupils of these classes and in the rooms from which they have been taken. Among the children directly affected, the tendency to truancy is minimized; manual work is encouraged, retarded mental development is stimulated, and there is no longer any necessity for any young person to leave school stigmatized as a "failure." These obstacles to progress removed and intelligently and humanely provided for, the personnel of the grades has been improved and the way to effective teaching and increased progress made clear.

PENMANSHIP.

I am greatly pleased with the improvement made in several lines of work, especially in penmanship. The results in penmanship in the schools heretofore have been very unsatisfactory. Attempts have been made to improve conditions, but it has been impossible to do much

because of lack of funds for needed materials. During the past year, however, all the schools have been furnished with books and proper materials, and the improvement shown in the work of those pupils who have had the advantage of instruction and practice for even a few months has been remarkable. By the end of the next school year, I hope to have a public exhibition of the work accomplished; in this way I hope to show the citizens the progress made in this subject and the results over which we are so pleased.

SYSTEM OF PROMOTION.

In each regular grade are two divisions—A and B. The A division does more intensified work, and the brighter pupils are kept occupied and interested. A pupil ready for promotion is advanced at any time from the lower to the higher section of a grade or from the higher section to the lower section of the next grade, thereby securing the flexibility in promotions so much to be desired and avoiding demoralization.

EDUCATIONAL PROGRESS.

Perhaps the most important topic discussed by educators during the past year has been the reorganization of the school course under what is known as the "six and six" or the "six, three and three" plan. According to the six and six plan, the course of study is so arranged that at the end of the sixth year the pupil who expects to go to college begins some of the high school studies, such as French, Latin, one of the sciences or higher mathematics, so getting six years of elementary and six years of high school work in preparation for college.

For the pupil not preparing for college the six, three and three plan provides three years of intermediate or junior high school work, followed either by three years of industrial work or three years of advanced high school work. This plan is being tried in many places at quite an expense. I am convinced that we are not in a position to adopt this plan at present, and I prefer to see its success first demonstrated in other large cities of mixed population.

It is evident from the increase in attendance in the High and Latin School that additional accommodations must be provided in the near future. The course of study for the High and Latin School should be extended so as to include classes in salesmanship and allied subjects, and I recommend that girls be required, before graduation,

to take courses in cooking and sewing and that these classes be established at the opening of the school in September.

The work of the teachers during the past year has been praiseworthy. It is gratifying to observe the amount of work accomplished and the spirit in which they have co-operated in any and all plans for increase of efficiency in their work.

It is this happy spirit and atmosphere of contentment in their chosen vocation that makes for success in the schoolroom and arouses in the pupils a desire to spread happiness, give sympathy, and attain excellence.

The opening of the schools last September found them well organized with excellent teachers. I am sorry to state that through death, sickness and the "City of Boston" our teaching force was soon at a disadvantage. A number of teachers went into the Boston service because of the great advancement in salary, one teacher receiving one hundred per cent, more than in his Cambridge position. It was impossible for us to secure experienced teachers at that time of year. There has been for two years an agreement among the superintendents of the New England towns and cities that no teacher shall be taken until she has finished her year's work. Boston is the only city excepted from this agreement, and our proximity to that city (with the standard of our schools and the salaries paid by the City of Boston) makes us the victim of her needs.

It must be evident to all in touch with school management that all the teachers in a system should not be similarly trained. A judicious mixture of elements of outside culture is beneficial. In order that this may be effected, I recommend that a merit system, based on education, experience and examination be established for outside applicants and for those in the service desirous of promotion.

NEW SCHOOL BUILDINGS.

With the completion of the new school at Mt. Auburn and the new Agassiz School the congested conditions in these districts will be relieved, and opportunity will be found for the development of local interests, such as evening schools, reading rooms and other educational-center activities.

SCHOOL CALENDAR.

In this city, as in many others, it has been customary to keep the schools in session after the Christmas holidays for a long term of

fourteen or sometimes fifteen weeks, the so-called winter term extending from early in January until the April recess. This long term has proven disastrous to the health of teachers and children alike. Teachers are obliged to leave their classes in charge of substitutes, and children, through absence, fall behind their grades. To prevent the regular recurrence of this condition of affairs many progressive towns and cities have adopted an "eight and one" school term schedule for the winter term; that is, eight weeks of school sessions are followed by one week of vacation. The pupils have a rest during the first week of May and are prepared to meet the warm weather and its attendant trials with courage and increased vitality. The plan is being tried in our schools this year.

I wish to call your attention to the work in the several departments, special reports of which by their respective heads are to be found later in this report.

The growth of our evening school system is worthy of comment. Our evening schools have reached such a status, both as to quality of instruction and spirit manifested by the pupils and teachers that I consider them fully equal to any system of evening schools that I know.

A detailed account of the evening school system by Mr. John J. Mahoney, Assistant Superintendent of Schools, is given later in this report.

THE CAMBRIDGE HIGH AND LATIN SCHOOL.

To the Superintendent of Schools:

I herewith submit my report of the Cambridge High and Latin School for the past year. In it, I shall again select a few things which seem to have immediate importance.

The total registration of the school for the first of April, 1915, was 2,047; for 1914, 1,879; for 1913, 1,843. This shows an increase during the past year of 168, while that of the year before was only 36. Eleven hundred twenty-nine of the present total registration assemble in the Latin building, and nine hundred eighteen in the English building. Six hundred ninety-four of the whole are freshmen. One hundred sixty-eight, or eight per cent. have left school for one cause or another. These figures show the present need of more room, especially recitation room, if the work is to be conducted with efficiency. The two buildings can accommodate about twenty-two hundred pupils with desks, without making any structural changes, but such an increase makes absolutely necessary a greater number of recitation rooms. While one room may have desks where fifty or sixty pupils assemble, two classes of twenty-five or thirty each cannot have recitations at the same time in such a room. There are several rooms in each building that can be made into two with comparatively little expense. The drawing department is in sad need of increased facilities. The stage of the old assembly hall in the English building is not used. By partitioning this off from the rest of the hall, good accommodations could be secured probably sufficient for several years.

The present registration of the school by courses shows the following: Commercial, 884; College Preparatory, 729; Normal Preparatory, 213; General, 148; Clerical, 68; Special, 5. These figures again show the Commercial Course the most popular. The rearrangement of rooms for typewriting purposes which was suggested in last year's report has been made, and a number of new machines added to the equipment. The department furnishes an excellent course, but more especially so for the girls. The girls very generally emphasize stenography and typewriting the last two years, and properly so. On the other hand, comparatively few boys can wisely do the same as they will be unable to compete with the girls as stenographers and typists. To succeed in this line of work, the boy must be an exceptional performer. The course should be enriched in its last two years by the addition of subjects better adapted to the boys' tastes and needs.

Such subjects may be Advanced Bookkeeping, Accounting, Economics, Civics, Industrial History and additional Spanish. A course is being worked on at present with the hope of having something to submit for your approval before the end of the present school year.

The experience of the last two years makes one doubt the value of the clerical course. Students and parents are disposed to think it offers a substitute for the Commercial Course. Many of those taking it find themselves unable to master stenography. I am inclined to believe that the course should be made more intensely vocational. Perhaps if the pupil was required to give two periods a day to shorthand, two periods to typewriting, one to English and one to penmanship, he would get better results. These pupils should be entirely segregated from the others in their recitations. Such segregation would probably call for a somewhat increased teaching force and also demand that the typewriting should come in the afternoon when the machines could be given up exclusively to these pupils. I am quite sure we would get better results with these intensive methods in any course of only two years.

For two years Mr. Daniel V. O'Flaherty had charge of the boys' athletic teams and, at the same time, was a teacher of history. In that two years, he secured a strong hold on the boys and was getting the situation well in hand. Last spring, when offered an appointment in Boston, he accepted because Cambridge could not afford to keep him. If the boys' athletics are worth while, they are worthy of proper attention and supervision. As a matter of fact, boys will have teams anyway as they are at the team age. It is simply a question of whether these teams shall be properly handled so as to make them a distinct asset to the school or whether they shall be uncontrolled, more or less disgruntled because not recognized officially, and injurious to both boy and school. The time must surely come when the physical welfare of the boys will be carefully conserved; when every boy in school will be examined and assigned to the work best fitted to his physical needs. The athletic teams representing the school take care of but comparatively few boys. I thoroughly believe that these teams can be best coached by a man who also teaches in the school. Such a man catches the spirit of the institution, gains a position with the boys, and with his desire to develop a winning team, feels a greater desire to have those teams most help the school. It takes a man, however, several years to get hold of the conditions so that he may work most effectively. The whole athletic situation should be handled in a far-

seeing, constructive manner. A definite program should be determined upon and some man secured to put that program into effect. The proper business management of these teams also calls for the services of an adult. At present, one of the masters acts as manager, and another as treasurer. The manager has to pass upon all schedules and various business arrangements connected with these schedules. He must also attend the games. The position demands much time and responsibility, and deserves some remuneration. It may be wise for the School Board to appoint some master as manager and another as treasurer, setting aside a certain sum for their remuneration, three-fourths of which should go to the manager.

The School Employment Bureau has continued its work under the efficient direction of Miss Deering. Since April, 1914, the department has received eighty applications from people who wished to secure help of some sort. During the same time, one hundred and ten pupils have applied for positions for evening, summer or permanent work. In the past year, also, there has been noted a tendency of the older girls to wait until graduation before applying to the school for help in obtaining work. On the other hand, a great number of the younger girls have put in their applications as soon as they entered the high school. Many mothers have applied, asking the school's aid in finding work for their daughters, as also have the charity organizations. In fact, the work has become so widespread in its character that it demands an increasing amount of supervision.

Last September, a course in debating was introduced with the hope of placing school debating upon a permanent foundation. The results have justified the introduction of the course and give good reason to hope for a great interest in this line of work in the immediate future. Something also has been attempted in the way of voice-training and elocution. The school would profit much if it could have the whole time of some teacher specially trained for this sort of work. I hope that such an addition to the force may be made.

Very respectfully yours,

LESLIE L. CLEVELAND,
Head Master of the Cambridge High and Latin School.

RINDGE TECHNICAL SCHOOL.

To the Superintendent of Schools:

I herewith submit a review of the work of the Rindge Technical School during the past year, which, in spite of the sad loss from the teaching staff of Mr. Ware and Mr. Jones, has been a year of substantial achievement. Mr. Albert L. Ware, a teacher of mechanical drawing in the school since August, 1888, died July, 1914. He was a man of ripe experience, unflinching patience, ready sympathy, and unfailing desire for service. Such a man could not fail to exert a powerful influence for good. The results of his life work will live in the hearts of the men who have, in the past twenty-five years, come under his influence. Mr. Harold M. Jones, who died October 20, 1914, was a young man who has been with us only since April, 1912. He possessed in a rare degree the energy and hopefulness and ambition of youth. He was beginning to make this influence felt among the boys with whom he came in contact, and to develop the foundations for a future of great promise.

On the morning of April 2, Mr. William J. Jones, Mr. Ware's successor in the drawing department, died very suddenly of pneumonia. While he had been with us only a few months he had made for himself such a warm place in our hearts, that his going marked the passing of a friend we could ill spare. He was a man of sterling qualities—loyal, sympathetic and genial. While most of his life was spent in practical work, he was essentially a teacher, and his efforts as such were meeting with success. The loss of three such men in one year is, indeed, a serious one.

Looking on the brighter side, we find that the common tests to which schools are subjected have been met with some little success. That is to say, the number of students coming to us for an education is adequate, in that the school is completely filled in every department, but is not unduly crowded. Secondly, the interest shown by the boys in their work is very satisfactory. This condition is greatly aided by the method used for choosing courses. Each student is allowed, under certain moderate restrictions, to choose the subjects he is to study during the half year, his chief guide being the vocation he desires to follow after leaving school. For example, a boy who desires to become an electrician, chooses his work so as to take the mathematics, science and shop-work which are best suited to the needs of his prospective vocation—electricity. By this means, the

kind of interest which is essential to school work of the best and most productive kind is aroused in the student. The vocational incentive is perfectly wholesome and sane, and free from the pettiness of many of the traditional sources of school incentive.

It seems proper to note again the progress which has been made in the department of business administration. The cost accounting system, about which something was said in last year's report, has been finally perfected to a point which makes possible the issuing of a monthly cost sheet, a typical example of which accompanies this report. This cost sheet implies a complete system of receiving, storing and issuing supplies, and an accounting system for debiting and crediting each department with the various items of cost and production occurring during each month. This system is carried on by the students, under the direction of a teacher, and the cost sheet is made out by the student who occupies the position of head bookkeeper. The system of accounting is rather complicated, but it will be recognized by any business man to furnish training in commercial work of a higher type than that of ordinary bookkeeping in about the ratio of the meaning of the terms accountant and bookkeeper.

The development of this system of cost accounting has been, however, only a preliminary to the introduction of a system of industrial organization into the shop work of the school. The cost department and the shops are linked together by a group of boys who form what is known as the "planning department." It is the duty of these boys to follow the details of production in the shop, to foresee and prevent serious delay, and to ensure a proper accounting for all materials and labor which go into a given job. To make this clear let us take, for example, the building of a surface grinder in the machine shop. The student, or group of students, in the planning department to whom this task is assigned must see (1) that adequate drawings are made for each part of the machine; (2) that, by careful and exhaustive analysis of the requirements of the job, all materials required are on hand; (3) that instruction cards are made out so that the shop student will know how to proceed with the work; (4) that the necessary patterns are made for the machine parts, and that castings are obtained from these patterns; (5) that any special tools needed are made or purchased; (6) that the cost department is furnished with the proper data to keep track of costs of materials and labor; (7) that the way is kept clear so that the work progresses through the shop without unnecessary delay; and (8) that the fin-

ished article is properly inspected, assembled, and delivered to the department from which it was ordered. It will be seen from this very brief description that the work calls for a high order of clear and consecutive thinking, some little tact and perseverance, and the application of a large body of accurate information accumulated in former shop experience as well as from planning experience. Moreover, neatness, accuracy, and a command of clear, concise English are essential. Altogether, work in this department is the most exacting, as well as the most profitable for the student, of any undertaken in the school. The really astonishing enthusiasm and interest with which the boys are undertaking their work speaks volumes for the strength of fibre of the rising generation.

Another interesting and valuable feature of the year's work has been a series of weekly teachers' meetings for the men who have recently come into the service of the school. It so happened that this year there is a large number of these men, young, ambitious, and able, with quick sympathies and unexhausted energies. While for the most part, papers on professional subjects have been written and discussed by men themselves, a necessary localizing of professional interests has led us to invite men in touch with the industrial situation in Cambridge to attend these meetings, to see the work of the school, and to talk with us regarding the needs of their shops and the degree of success which the school is attaining in meeting these needs. Not only are these meetings profitable in themselves, but they are producing a body of information which will become the basis for future work in vocational guidance for our boys.

This report would not be complete without some mention of the really extraordinary work which Mr. John B. Whoriskey, the Director of Music, has done with the boys this year. One form which this work has taken is the development of a unique feature which we have called the "Song Contest." Early in February three "teams" of eight boys each, with substitutes, were chosen and told that they might have four weeks to prepare themselves for a prize contest in singing, the winning team to receive a silver cup. The boys held rehearsals at their homes, developed their singing powers with the utmost enthusiasm and pleasure, and as a result set up a new form of healthy interest which will become a valuable feature of each year's work in the future. The contest was judged by three prominent supervisors of music of the greater Boston district, who complimented the boys highly on their performance, as well as that of the

orchestra, which they were kind enough to say is the best school orchestra to be found in this vicinity. This latter statement is made, not in the spirit of boastfulness, but as a deserved tribute to our Director of Music. In an experience of twenty-five years I have seen nothing like it at the Rindge School.

In conclusion, may I say that the pleasantest feature of the work with our boys is the certainty of their willing co-operation in any work, however difficult, which they are called upon to do. Whether it be the work of a planning department, the carrying through of a song contest, or the erecting of a heavy machine, the spirit which dares to undertake and refuses to be defeated is a source of great gratification, however meagre the results may sometimes seem to be.

Respectfully submitted,

JOHN W. WOOD, JR.,
Head Master of the Rindge Technical School.

EXPLANATION OF ACCOUNT SYMBOLS.

- A6G Gas Acct. Basis of lights used.
 A2H Janitors' Acct. Basis of floor space.
 A2J Janitors' Acct. Basis of floor space.
 A6L Light. Basis of lights used.
 A7ME Elec. Power. Basis of estimated horse power.
 A8MS Steam Power. Basis of steam power used.
 A5S General Stores Expenses. No. of store's issue slips issued.
 AIT Toilets and Lavatories. Equally.
 X Small Tools, Books, etc.
 B Administrative Expenses.
 B3A Assembly Hall Accounts.
 B3C Cost Keeping Accounts.
 B3D Office Expense Accounts.
 B3K Locker Expense Accounts.
 B3L Lunch Room Expense Accounts.

Note.—All Administrative expenses are distributed on basis of number of enrolled student periods.

Departments.

- DA Academic.
 DB Blacksmithing.
 DC Carpentry.
 DD₁ Free Hand Drawing.
 DD₂ Mechanical Drawing.

DT Pattern.

- DF Foundry.
 DM₁ Upper Machine.
 DM₂ Lower Machine.
 DP Printing.
 DS Science.

THE WELLINGTON TRAINING SCHOOL.

The following report of the Wellington Training School is submitted by Mr. Herbert H. Bates, Master of the school:—

The motive that induced the School Committee of the city of Cambridge in 1884 to establish a school like the Wellington Training School was to help the teachers of little or no real experience to do intelligent work in the schoolroom.

The city assumes that education is a science, that school teachers can understand the principles of this science; and that in their daily work they should apply these principles with unerring certainty to the children under their control.

In the presentation of topics the young teachers must be told in plain language what to do as well as what to avoid. Hence the object of the school throughout the whole course is to impress upon the minds of the young teachers "How shall I teach so as to have my pupils become self-reliant, independent, manly men and womanly women?"

To secure this end the directions of the principal and of the supervisors must be simple, pointed and emphatic. They must be given in a kindly spirit so as to encourage and develop individuality, tact, original power and skill.

One year of actual teaching under careful supervision is none too long a time to acquire that ability which is necessary in order to become shining lights in our chosen profession.

Between January 1, 1913, and January 1, 1914, twenty-four young women were admitted to the probation class of the Training School. Of these, five had graduated from high school and from some college; eleven from high school and from some normal school; seven from high school and from some kindergarten normal school, and one from high school followed by three years of successful experience in teaching.

One of these young women withdrew before completing the full term of service, and the remaining twenty-three are now at work in the schools of Cambridge.

Respectfully submitted,

HERBERT H. BATES,
Master.

THE CAMBRIDGE TRADE SCHOOL FOR GIRLS.

The following report of the Cambridge Trade School for Girls is submitted by Miss Maude A. Deehan, Principal of the school:—

Many improvements inaugurated during the past year have put the school on a more substantial footing and given a higher educational value to the work.

The large room used as a kitchen has been partitioned into four individual kitchens, thus varying the experience through different projects pertaining to both home and trade cooking. A lunch counter has been added which serves the two-fold purpose of giving the girls practical experience to fit them for this kind of work, and at the same time serving a hot lunch to the pupils at cost. This opportunity to get a hot lunch can not be over-estimated as contributing to the physical welfare of the students.

The "Food Shop," which was started February 1, 1915, is run wholly by the students, and has brought them nearer to the trade than anything which has yet been tried. They solicit, fill and deliver the orders, the profits accruing to the two girls in charge for the week. It is hoped that in this way they may establish a list of customers who can be served by the girls from their own homes.

The enrollment in the sewing department has grown steadily and this growth has been met by increasing the force of teachers, adding to the equipment, and erecting a partition in the assembly hall in order to make an extra workroom.

The millinery department was discontinued October 1, 1914, and it seems desirable that some up-to-date trade should be offered in its place.

The power machine operating trade offers possibilities, but the initial expense of installing would be much greater than in either of our present trades, and, therefore, it has not seemed wise to start it without a careful preliminary investigation.

The placement work has progressed in a very satisfactory manner. Many of the students have been doing part-time work while still pursuing their studies at school in the morning and working in the afternoon, or vice versa, thus getting the opportunity to earn a tidy little sum while still at school. As soon as the course at the school is completed, these temporary positions develop into permanent ones, or new positions are found where the labor is of a permanent character. At the present time nearly all of the advanced students

are employed at wages which range from five to seven and one-half dollars per week, the average being six dollars.

The continued demand from employers who have had our girls seems to show that they are getting the proper training for the trades, and that the training is broad in its scope is demonstrated by the report of the State Board of Education where our school stands second in productivity for schools of its type, the only school ranking ahead of it being the Boston Trade School for Girls which has been in existence for ten or twelve years. The fact that we are already having more calls from employers than we can fill shows that we have made no mistake in our choice of trades.

Frequently we find girls obliged to withdraw from the school and all the future opportunities which might accrue to the trained worker, simply because a present financial income, though meagre, seems more potent in the home than the increased income they might expect at some later date, when they had the increased knowledge incident to a longer apprenticeship. It might, therefore, be well to work out a system of scholarships, whereby the worthy student would receive such financial help as would enable her to continue her studies. This has been done in other cities through a "Student Aid Fund," and I merely offer it as a suggestion worth consideration.

In closing, I wish to extend thanks to the Superintendent of Schools, the School Committee and the members of the Advisory Board, who have done so much for the school; and last, but not least, to the teaching force whose earnest efforts during an eight-hour day has contributed largely to the success of the school and the welfare of the pupils.

Respectfully submitted,

MAUDE A. DEEHAN,

Principal.

EVENING SCHOOLS.

The following report on the Evening Schools is submitted by Mr. John J. Mahoney, Assistant Superintendent of Schools:—

The Evening Schools of Cambridge were discussed very thoroughly in an exhaustive report issued last year, 1913-1914. Inasmuch as the situation has not materially changed during the season just passed, there is little in the way of anything new that should be brought to the attention of the School Committee. I shall content myself, accordingly, with setting down a few brief comments, and pointing out a few matters that may come up for consideration in the committee some time before the opening of the schools for 1915-1916.

First, as to numbers. The Evening High School has had another season of remarkable growth. The average attendance for the year (523) represents a growth of forty per cent. over the attendance of last year.

This great increase in the Evening High School has been just about balanced, however, throughout the system as a whole, by a decrease in the number of non-English speaking attendants. The falling off may be charged up in some measure to the fact that because of the great war, immigration has almost totally ceased. We received few newcomers during the past year. Added to this, the present industrial depression operated to cause many of these people already here to move elsewhere in search of work. An investigation made during the term by our attendance officers of the causes of withdrawals revealed the fact that we lost scores from our foreign classes for this reason.

Touching on this point it may be said also that next year it will be found necessary to spend more money on books and supplies for the evening schools. This year, the committee allotted an appropriation amply sufficient to take care of teachers' salaries, and the fact that we were able to employ all the teachers necessary for efficiency, tended to keep many pupils in attendance. The next step is now to equip the schools with such teaching materials as are necessary to take care of their growing needs. The good teacher is the most important factor, making for good attendance. But even the best teacher is hampered if her equipment is insufficient. Because of the straitened condition of the finances it was beyond the power of the committee to do more this year than was done. It is to be hoped that better conditions may obtain another season.

Better lighting is another feature that would tend to keep up attendance in our evening schools. The Trade School for Girls was opened in October, 1914, for evening instruction, and classes in various branches of women's work were conducted most successfully. There is every reason to believe that owing to the splendid work accomplished this year, this school will soon double in size as did the Evening High School. At present, however, the best results cannot be obtained because much of the lighting is unsuitable for the taxing work of sewing and dressmaking. In the High School building, also, the lighting in some of the rooms is very poor. I know that the committee is familiar with these conditions, and has deliberated on measures for improving them. I most sincerely hope that this improvement will not be delayed.

I suggest that the question of salaries in the evening schools be considered before another term begins. At present we have in the force trained teachers of considerable experience, who are paid \$1.50 per evening. We pay the same salary to the inexperienced college graduate or senior, whose services obviously are not nearly as valuable. Personally, I am strongly of the opinion that the experienced teacher in the evening schools is worth at least \$2.00 per evening. I believe these teachers might be paid this amount and the schools so organized as not to increase greatly the sum totally expended now for salaries. In this connection I wish also to call attention to the fact that some years ago, when the Evening High School was very small, the master received \$4.00 per evening. The school has trebled in size, but the salary is still the same. I suggest these matters for the Board's consideration.

The Rindge Evening Industrial School should be developed as has the Evening High School. It is important that it be decided before another season whether or not this school is to be run in whole or in part as a State-aided institution, offering instruction only to men engaged in the trades. If the State scheme is adopted we must be prepared to refuse admission to many who have applied in this and in former years. The enrollment would likely be smaller, at first, but with all the varied trades in Cambridge, could be rapidly increased, once it became advertised that this school was being conducted solely as an Evening Trade School. It is more or less immaterial which policy the committee sees fit to adopt. Whichever is adopted, however, the school should then be developed. Rindge should enroll twice as many pupils as it has during the past several seasons.

The interest that has been displayed by the Board on several occasions this past season in the evening schools means more to the pupils and teachers of the evening schools than the members can easily appreciate. This year, at every graduation, one or more members were present, together with His Honor Mayor Good. The mere presence of Board members on occasions like this is a source of great encouragement to the pupils, assuring them as it does that the evening schools and their needs are not overlooked amid the multiplicity of problems that the School Committee is called upon to handle. Evening school pupils are the most appreciative mortals on earth. They have had several occasions during the past season to express this appreciation for the interest that the members of the Board, individually and collectively, have displayed in them.

The usual tables are herewith appended:—

The following table shows the buildings used for evening school purposes and the character of the work offered in each:—

TABLE I.

Schools	Classes
Rindge School:	
a. Industrial Classes.	Woodwork, ironwork, printing, machine drawing, architectural drawing, electricity, estimating, shop mathematics.
b. Drawing Class....	Freehand drawing.
High School.....	Academic, commercial.
Corlett Kelley Putnam Roberts Shepard Webster	English for foreigners, grammar school work, dressmaking, embroidery, civil service.
Trade School for Girls.	Cooking, embroidery, sewing.

The following table shows the attendance at the evening schools for the year 1914-1915:—

TABLE II.

Schools	Number Registered			Average Number Belonging	Average Attendance	Per cent. of Attendance
	Males	Females	Total			
Rindge School:						
a. Industrial Classes	197	....	197	96	75	78.1
b. Drawing Classes.	70	....	70	39	27	69.0
c. Frechand Class..	22	4	26	21	13	62.0
Rindge School, tot's	289	4	293	156	115	73.7
Evening H. School.	407	386	793	602	523	86.8
Corlett School	92	105	197	90	73	81.0
Kelley School	299	195	494	300	228	76.0
Putnam School ...	390	190	580	362	291	80.4
Roberts School ...	287	420	707	411	327	79.4
Shepard School ...	82	106	188	119	94	79.0
Webster School ..	225	133	358	194	168	82.0
Trade Sch. for Girls	....	113	113	71	43	61.0
Total	2,071	1,652	3,723	2,305	1,862	81.0

The following table shows the cost of the evening schools for the year 1914-1915:—

TABLE III.

Schools	Salaries of Teachers	Cost of Text books and Supplies	Cost of Fuel, Light and Janitor Service	Total	Cost per Pupil
Rindge School:					
a. Industrial Classes ...	\$1,808.50	\$193.60	\$814.58	\$2,816.68	\$37.55
b. Drawing Classes	477.00	11.42	211.70	211.70	25.93
c. Freehand Class	177.00	55.20	90.85	323.05	24.84
Rindge School, totals ...	2,462.50	260.22	1,117.13	3,839.85	....
Evening High School	3,152.00	60.47	861.59	4,074.06	7.79
Corlett School	618.50	9.75	147.81	776.06	10.63
Kelley School	1,361.50	59.42	390.33	1,811.25	7.94
Putnam School	1,839.50	36.78	378.12	2,254.40	7.75
Roberts School	2,093.50	85.89	500.39	2,679.78	8.19
Shepard School	576.00	5.38	184.93	766.31	8.11
Webster School	1,025.50	46.64	493.80	1,565.94	12.88
Trade School for Girls ..	180.00	86.26	287.63	553.89	12.88
Director of Household Arts	126.00	....	....	126.00	....
Total	\$13,435.00	\$650.81	\$4,361.73	\$18,447.54	\$10.44

The average number of assistant teachers in 1913-1914 and 1915-1916 is shown in the following table:—

TABLE IV.

Schools	Average Number of Assistant Teachers	
	1913-1914	1914-1915
Rindge Industrial Classes	7	7
Rindge Drawing Classes	3	3
Freehand Drawing Class	1	1
Evening High School	17	23
Corlett School	4	5
Kelley School	11	13
Putnam School	17	19
Roberts School	22	23
Shepard School	6	6
Webster School	8	9
Trade School for Girls .....	..	3
Cooking Class	1	..
Total	97	112

The following comparative table shows the number of graduates in 1913-1914 and 1914-1915:—

TABLE V.

Schools	Number of Graduates	
	1913-1914	1914-1915
Rindge Industrial Classes	13	14
Rindge Drawing Classes	12	7
Freehand Drawing Class	5	1
Evening High School	95	111
Corlett School .....	..	..
Kelley School	23	14
Putnam School	65	63
Roberts School	54	38
Shepard School	25	16
Webster School	43	49
Total	335	313

The following table shows the attendance at the State-aided classes which were carried on under the direction of the State Board of Education:—

TABLE VI.

	Number Registered			Average Number Belonging	Average Attend- ance	Per cent. of At- tendance
	Males	Females	Total			
Rindge School:						
a. Industrial Classes	158	....	158	70	51	72.8
b. Drawing Classes	70	....	70	39	27	69.2
Rindge School, tot's.	228	....	228	109	78	66.3
Trade Sch. for Girls	..	113	113	71	43	60.5
Total	228	113	341	180	121	....

The following table shows the attendance at the industrial classes for women in the elementary schools:—

TABLE VII.

	Number Registered	Average Number Belonging	Average Attendance	Per cent. of Attendance
Corlett School	94	49	37	75.5
Kelley School	63	45	32	71.1
Putnam School ...	54	42	37	88.1
Roberts School	93	35	30	85.4
Shepard School ...	63	50	35	70.0
Webster School ...	38	21	17	81.0
Total	405	242	188	74.3

The following table shows the attendance by periods at the different evening schools:—

TABLE VIII.

	Nights 1-10	Nights 11-20	Nights 21-40	Nights 40-60
Rindge Industrial Classes.....	38	43	97	89
Freehand Drawing Class	7	3	9	7
Evening High School	63	123	260	347
Corlett School	72	45	59	21
Kelley School	129	94	141	130
Putnam School	131	87	174	188
Roberts School	208	117	185	197
Shepard School	19	35	85	49
Webster School	104	47	95	112
Trade School for Girls	10	27	76	...
Total	781	621	1,181	1,140

The following table shows the growth of the Evening High School in 1914-1915:—

TABLE IX.

(The figures are those of November 15 in each year.)

	1912-1913	1913-1914	1914-1915	Increase 1914-1915 1912-1913
Average number belonging.	426	563	711	66.9
Average attendance	334	474	630	88.6

The following table shows the nationalities of the foreign-born pupils in the evening schools:—

TABLE A.

	Over 21			Under 21			Total
	Males	Females	Total	Males	Females	Total	
Aremnian	60	4	64	29	12	41	105
French	0	0	0	5	3	8	8
German	7	1	8	6	2	8	16
Greek	14	0	14	15	2	17	31
Italian	137	7	144	172	61	233	377
Jew	56	22	78	30	46	76	154
Lithuanian	138	42	180	42	33	75	255
Polish	99	24	123	51	44	95	218
Portuguese	42	18	60	66	71	137	197
Scandinavian ...	46	6	52	22	2	24	76
All others	28	14	42	11	16	27	69
Total	627	138	765	449	292	741	1,506

Respectfully submitted,

JOHN J. MAHONEY,
Assistant Superintendent of Schools.

VACATION SCHOOLS.

The vacation schools opened on Monday, July 6, 1914, in four of the school buildings, and with the exception of one class, continued for four weeks, closing Friday, July 31.

A class was formed in the English High building for pupils of the lowest grade in the high schools who had failed of promotion. Thirty pupils were registered in this class, and it continued for twenty-four days.

Another class was opened in this school for pupils of the eighth grade who were conditioned and must study during the summer in order to enter the high school in the fall. This class registered forty-four, and continued for four weeks.

Other classes were opened in the Ellis, Kelley and Webster buildings for pupils in the grammar schools below the eighth grade who had failed of promotion. These classes registered two hundred seventeen pupils and had an average attendance of one hundred fifty-seven.

The following table shows the number in attendance in each building:—

School Building	Number Registered	Average Attendance	Number of Teachers
English High	30	20	1
" " Eighth Grade.....	44	40	1
Ellis	36	25	1
Kelley	102	69	2
Webster	79	63	2
Total	291	217	7

The cost of the vacation schools was \$294 for salaries of teachers, \$80 for salaries of janitors, \$4.13 for supplies, a total of \$378.15 or \$1.74 per pupil based on the average attendance.

ART DEPARTMENT.

The following account of the work in the Art Department is submitted by Mr. Peter Roos, the Director of Drawing:—

The course in art instruction was somewhat explained in detail in the report for 1912 and also to some extent in last year's report, and may, therefore, not need be repeated here. There has been no important deviation from the established plan or the method of instruction during the present year, the work having gone forward with undiminished interest in all the schools.

In the High and Latin School the work is expanding each year as advanced subjects are reached in the development of the course (now in its third year). The quality of the work accomplished forms a worthy finish to the work in the grades. Especially successful is the drawing from life and poster designs which include color study and lettering. Other topics such as drawing and painting from natural forms and common objects receive their full share of attention and show satisfactory results.

Very practical work is being done in mechanical drawing also, notwithstanding the shortcoming of the equipment. Lack of elbow room and good light are the greatest drawbacks here. This could, perhaps, be remedied at small expense if the adjoining passageway was widened on the side of the hall platform and used for the drawing classes. The old drawing boards that are there can, with a slight overhauling by a carpenter, be made quite satisfactory. The sets of instruments recently added makes this part of the equipment sufficient for a long time. A very interesting exhibition of the work from these classes (free-hand and mechanical) was held near the close of the spring term.

Nearly all our grammar schools are well supplied with compasses, palettes and brushes. It would be well if the few classes that are not, could be supplied when the time comes for equipping the new buildings. The quality of the material, as well as the tools, affect the results of the teacher's efforts. Thus the texture, size and thickness of the drawing paper and the quality of the pencils are factors in the different kinds of drawing, as, for example, shading and instrumental drawing. Besides the soft pencil that is furnished to all the pupils, there should be allowed, as formerly, a hard pencil in the grades above the fourth.

In the color lessons it is important that the six spectrum colors, which form the palette, be correct in relation to each other, or the

teacher and pupils will labor in despair. The colors furnish the sunshine in the art lessons and act as a stimulus in pencil-drawing and designing. Every pupil is made to realize that there can be no fine coloring unless the drawing for it has been properly prepared. Whether it is a study for a decoration, landscape, flowers, fruit or the illustration of color harmony and chromatic scales the children will invariably do their very best to satisfy the teacher.

It is but a few decades since the wonderful properties of coal tar were discovered and brought to practical application in the various industries. With these discoveries there dawned a new era in art training for the common schools, because the colors extracted from the coal tar could be converted so as to closely resemble the regular artist's colors. A number of firms began manufacturing colors to meet the requirements of schools and placed them at prices within the reach of all.

The School Board of Cambridge was prompt to take advantage of the new conditions, and in 1897 voted to place water colors in the grammar grades. Upon inquiries to the school departments of the principal cities at that time it was learned that water colors had not found a place in the elementary schools in this country except in a few instances where the pupils showed marked talent and could afford the expense. Our schools gave equal opportunities for all the children.

The truth of the old proverb, "There is no royal road to art," has been demonstrated in Cambridge. All went well for years until the idea of rapid promotion dealt a heavy blow to the entire art course. Wherever the lightning express passengers arrived they were generally minus their baggage, so to speak. In other words, they had skipped a large part of the most important fundamental practise work and were, therefore, unprepared for doing the work that the steady-going members of the class were doing, thereby actually hindering the progress of the majority of the class and causing much worry and hardship to the teacher.

Now that the former order of promotions has been restored these troubles will gradually subside and be overcome in due time. Troubles do not always come singly. The elimination of the ninth grade was another setback, one that deprived the art course of its best fruits in the grammar schools. But the present outlook seems very hopeful and an excellent spirit prevails. The teachers have by unsparing efforts, on their part, acquired the skill in teaching that

brings fine results in the classroom. The children are giving abundant evidence that their sense and appreciation for art, particularly for color, is practically universal.

Respectfully submitted,

PETER ROOS,
Director of Drawing.

MUSIC.

The following report on music is submitted by Mr. John B. Whoriskey, the Director of Music:—

To the Superintendent of Schools:

The director of music spends three days each week in the grammar grades and instructs the pupils of one hundred and fifty-three rooms once each month. The remaining two days of the week are given to the work in the high schools. This includes the instruction of three choral classes, numbering approximately eight hundred and twenty-five pupils; two orchestras with a membership of thirty-six and twenty-six, respectively; one class in Music Principles and Harmony which has two periods each week; and a boys' glee club of thirty-five members.

The assistant in music gives her entire attention to the work of the primary grades, and in those buildings which have some of the lower grammar grades,—a total of one hundred and sixteen rooms. Each month she selects three buildings for a second visit.

She is required to meet the director at the office in Latin building once each week after school hours, when difficulties which present themselves in the schoolroom are discussed and solved.

The year just ending has been one of splendid progress in music. After three full years of preparation by means of a prescribed course, in which sight-reading exercise and every song to be used was specifically named, the grade teachers now have a permanent outline. As before, the principles are specified at proper intervals, but each teacher is allowed to select the exercises and the songs to illustrate them. The minimum amount of work for each week is designated. In a majority of cases it is not unusual to find that the grade teacher

has done more than has been required in the allotted time, and all except a very few have successfully completed what is asked as a minimum. Many have been highly successful in presenting songs that were regarded altogether too difficult a few years ago.

The method employed in teaching sight-reading in Cambridge during the past four years is the same that has recently become so prominent in other places as the "pulse" method. To my mind it never was an experiment in our schools, for I had used it successfully with children and adults for fifteen years. The old method required the children to beat time with their hands while attempting to read and sing what was before them,—a combination of two entirely different acts at the same time. The "pulse" method eliminates entirely the muscular act, and, by means of a vocally-expressed accent at the beginning of each new beat, accomplishes the end sought much more quickly and thoroughly. Experience proves that after one or two such readings the children naturally drop the "beat" accent, or "pulse," and apply the "measure" accent.

It has been my habit to present an unfamiliar exercise and to give the class a moment for study. No preliminary questions are put to the pupils. The spirit of play enters when they realize that the time consumed is being recorded. Each child stands when he or she feels he can sing it correctly. In this way the keenest sort of concentration is secured and the number of accurate sight readers is rapidly increasing.

Every effort is made in the grammar grades to safeguard the voices of adolescents. Teachers are instructed to watch for changing voices and report them at once. Each case is tested and a period of rest established if necessary.

The pupils who entered the grammar grades from the primary schools last September appeared generally to be better equipped in the first principles of music and the power to express their knowledge than formerly.

While splendid work is being done by primary grade teachers under the supervision of the Assistant in Music, Miss Hackett, the department is badly handicapped on account of the deplorable condition of instruments in use in the kindergartens and in some primary classrooms. The former are the property of the school department. The latter are owned by teachers. The department never has assumed the responsibility of keeping them in tune. Most of the above instruments are causing serious injury to the tone perception of keenly

imitative children. The manufacturers of some of them went out of business almost a half century ago. Age and neglect have combined to destroy their usefulness.

It is urgent that something be done to preserve the best of them. A contract plan for tuning at least twice a year would be the most desirable, because it would enable us to have a faulty piece of work corrected at any time.

On account of an unusual demand for music readers in September, and the need of the utmost economy, all extra readers that were stored in school buildings were called in and redistributed where they were needed. Many of them were hardly in a fair condition, and after this year's use will have to be discarded. This will mean a larger expenditure for music readers later to replace them, and to provide others for the buildings from which they were taken.

Rindge Glee Club.

The same sort of school spirit that has characterized Rindge Technical School in athletics has been evident this year in its musical activities, and has placed it on the high plane in music that it enjoyed during the early years of its establishment.

An experiment that promises to be far-reaching in its results was tried with eminent success,—the inauguration of singing contests, a novel feature in the school life of this country. The contestants, thirty in number, were chosen from the chorus of two hundred boys. Each team had its leader, who directed the rehearsals without the assistance of the director, except when a problem that required mature guidance arose. With but three and a half weeks' preparation, the teams appeared at Washington Hall the evening of February 4th, and, in the presence of relatives and friends, contested for a handsome silver cup donated by Mr. John W. Wood, Jr. The judges were Mr. James M. McLaughlin, Supervisor of Music, Boston; Mr. B. Harold Hamblin, Assistant Supervisor, Boston, and Mr. H. C. Davis, Supervisor of Music, Chelsea. After the contest the teams were joined and sang a selection together. Numbers were contributed by members of the orchestra, members of the alumni, and others.

Locally, the contest surpassed the most sanguine expectations. That its influence has gone abroad is evident by reason of the adoption of the idea in other places.

The proceeds of the concert were used in the purchase of a cello, which will be loaned to some student whose parents are willing

to provide private lessons. Beside the cello the school now owns a trombone, a clarinet and a bass viol. The acquisition of these instruments has been made possible by the hearty co-operation of Mr. Wood, and the generous support given by parents and friends of the boys.

The Orchestras.

As a means of developing and maintaining proper school spirit, as well as of broadening the musical horizon of students, the orchestras at our high schools have contributed their full share. The organization at Rindge numbers twenty-six, while that at the High and Latin has a membership of thirty-six. The enthusiasm of the members has been almost boundless. At Rindge the sound of the lunch bell never causes a bow to falter, and the boys voluntarily finish the work before going to lunch. The period at Latin is toward the close of the session and there are frequent requests that we continue after school hours, which has an echo in the applause of the hundred or more boys and girls who flock into the hall from adjacent rooms. The generous spirit existing between the orchestras finds expression in the willingness of students in one body to "fill in" as members of the other when occasion demands.

The orchestras have played at all school functions when their services were required, such as the presentation of the Longfellow medal, and the dramas of the senior classes; and they also played at the graduation of the Evening High and Rindge Technical Schools; at the demonstration of sight-reading given at Steinert Hall, Boston, under the auspices of Boston Chapter of the Pulse Club; and a lecture on Oberammergau, under the auspices of the Columbus Day Nursery. They will also appear with Rindge Glee Club at a concert given by the graduating class of the Fletcher School, at the May meeting of the Board of Trade, and the drama of the Cambridge Teachers' Association.

Thus far the maintenance of the glee club and the orchestras has been without expense to the city. In the absence of school funds I have supplied some music required at my own expense.

I find on inquiry, that the graduating classes of the grammar schools will send to the high schools next year between fifty and sixty players of orchestral instruments, nearly all of whom wish to take orchestral practise. It will, therefore, become necessary to ask the school department to provide for the large increase next year. The formation of two organizations at the High and Latin School,

one to be known as the Senior, and the other as the Junior Orchestra, is anticipated. The latter organization is to be the training place for younger players.

Headquarters.

The room at the Latin building, where the headquarters of the music department have been established during the year, is in a bad state of repair.

The walls and ceiling need tinting and the woodwork should be cleaned and varnished.

I wish to record my appreciation of your ready support and helpfulness under all conditions during the year.

Respectfully submitted,

JOHN B. WHORISKEY,
Director of Music.

ATTENDANCE OFFICERS.

The work of the attendance officers is carried on under the direction of the Superintendent of Schools. The city is divided into five districts, an attendance officer being assigned to each district.

Among the duties of the attendance officers are the following:—

To inquire into all cases of absence, truancy, juvenile vagrancy, persistent disobedience to the rules of the schools, or of unlawful detention from school, and to report to parents all cases of suspension from school; to prosecute, in the name of the city, when so directed by the superintendent, all persons violating the public statutes relating to school attendance; to visit each month, while the public schools are in session, all factories, workshops and mercantile establishments in their respective districts, and ascertain if there is any violation of the public statutes relating to the employment of children; to pay particular attention to the employment of minors who are required by law to attend the evening schools as a condition of their employment; to acquaint themselves with the cases of neglected children coming to their knowledge in their respective districts; to visit each school at least once a day unless otherwise directed by the superintendent; to prevent children from loitering about the school premises to the annoyance and disturbance of the neighborhood; to notify the teachers of

all cases of contagious diseases reported by the Board of Health; to be present at any school building, when so directed by the superintendent, during the sessions of evening schools, or whenever the building is used for any other than day school purposes, to assist in the preservation of good order and in the protection of the property of the city in and about the building. Under the direction of the superintendent they make all complaints at the district court for violation of the public statutes regarding school attendance, and take boys to the Middlesex County Training School when they are sentenced.

The school census for the year 1914 was taken by the attendance officers with the assistance of one man who was acquainted with the work.

The following is a summary of the work of the attendance officers for the school year from September, 1913, to July, 1914:—

Whole number of absences investigated	10,875
Truancy, first offence	481
Truancy, third offence	86
Complaints of truants	1
Truants on probation by the court	1
Children found wandering about the streets not belonging to any school	56
Such children sent to school	56
Visits to mercantile or manufacturing establishments	930
Children employed without certificates	150

The statistics of the private and parochial schools, obtained by one of the attendance officers, show that there are seven parochial schools and five private schools in this city. The private schools receive \$70,000 for tuition. The number of pupils in these schools is as follows:—

	Boys	Girls	Total
Parochial schools	2,215	2,673	4,888
Private schools	170	200	370
Total number of pupils not in public schools..	2,385	2,873	5,258

SIGHT AND HEARING TESTS

The laws of Massachusetts require the annual testing of the sight and hearing of the pupils in all the public schools. The annual tests of all children, except those in the first primary grades and kindergartens, were made in October of this year. Parents of pupils found seriously defective were notified as required by law, and many of the cases have received professional treatment.

The following is a summary of the tests in sight and hearing for the last three years:—

	1912	1913	1914
Number enrolled	15,080	15,345	15,868
Number examined	11,990	12,398	13,088
Number defective in sight	2,050	1,699	1,654
Number defective in hearing	330	215	217
Number of parents notified	2,017	1,592	1,592

CONCLUSION.

In closing, I would recommend that the City Government be requested by the School Board to provide new quarters for the school department, in case the annex to the City Hall is not built.

Respectfully submitted,

MICHAEL E. FITZGERALD,
Superintendent of Public Schools.

IN SCHOOL COMMITTEE,

MARCH 31, 1915.

VOTED:

That the report of the superintendent, as read and outlined by him, be adopted as the annual report of the School Committee for 1914-1915, and that the secretary make provisions to have the same printed.

JOHN J. MAHONEY,
Secretary.

STATISTICS

FINANCES

For the financial year from April 1, 1914, to April 1, 1915.

AMOUNT AVAILABLE FROM ALL SOURCES.

Amount provided from tax levy under the City Charter for maintenance of schools	\$634,763.76
Revenue	13,205.99
Balance brought forward from 1913-1914	4,815.16

Total amount available for the support of schools \$652,784.91

AMOUNT APPROPRIATED BY MAJORITY OF SCHOOL COMMITTEE.

Amount appropriated from the tax levy	*\$629,763.76
Revenue	13,205.99
Balance brought forward from 1913-1914	4,815.16

Total amount appropriated by majority of School Committee \$647,784.91

RECEIPTS.

Amount voted by the City Government from the tax levy	**\$620,000.00
Revenue	13,205.99
Balance brought forward from 1913-1914	4,815.16

Total receipts for the support of schools \$638,021.15

EXPENDITURES.

Salaries of teachers, all schools	\$431,726.56
Amount expended for increase of the salaries of teachers	57,705.79
General expenses	29,903.33
Text-books and supplies	25,065.99
Transportation of pupils	306.00
Support of truants	225.57
Salaries of janitors and engineers	55,949.69
Janitors' supplies	1,204.71
Care of buildings and grounds	5,138.65
Furniture and furnishings	749.36
Fuel and light	21,011.58
Other school expenses	1,061.47
Tuition to other cities	70.00

Total expenditures	\$630,118.70
Balance unexpended	\$7,902.45
Expended for unpaid bills of 1913-1914	3,034.87

Amount carried forward ***\$4,867.58

*Vetoed by Mayor.

**This amount, \$620,000.00, which has a cut of \$14,763.76 from the full amount available from the tax levy, under the City Charter, for the maintenance of schools during the year 1914-15, was accepted by a majority of the School Committee without relinquishing any rights of the School Committee to appropriate the full amount by law.

***From this amount there are outstanding bills amounting to \$4,075.00 (estimated) to be deducted.

COST OF CONSTRUCTION

From April 1, 1914, to April 1, 1915.

Schools and Officers	Cost of Instruction	Average Number of Pupils	Cost per Pupil
High and Latin School	\$74,401.44	1,726	\$43.11
Rindge Technical School	38,285.26	530	72.23
Training School (Teachers)	23,498.04	914	25.71
Grammar Schools	176,371.06	6,617	26.65
Primary Schools	111,844.40	5,050	22.14
Kindergartens	23,736.10	673	35.27
Fresh-Air School (Feltor)	973.92	....	....
Trade School for Girls	6,360.48	....	....
Substitute Teachers	8,782.97	....	....
Department of Drawing	3,048.00	....	....
Department of Music	2,988.00	....	....
Manual Training in Grades	4,265.65	....	....
Teachers of Sewing	3,927.63	....	....
Teacher of Cooking	512.10	....	....
Superintendent	5,000.00	....	....
Assistant Superintendent	3,000.00	....	....
Supervisor of Primary Schools ..	1,350.00	....	....
Agent	1,500.00	....	....
Pension for Agent	1,424.00	....	....
Clerks	3,893.75	....	....
Porter	804.00	....	....
Attendance Officers	5,726.50	....	....
Totals	\$501,693.10	15,510	\$32.34

Cost of Instruction in Evening Drawing Schools.....	\$654.00
Cost of Instruction in Rindge Evening Industrial School.....	1,808.50
Cost of Instruction in Evening High School.....	3,152.00
Cost of Instruction in Evening Elementary Schools.....	7,514.50
Cost of Instruction in Evening Trade School.....	180.00
Salary of Director of Household Arts	126.00
Total	\$13,435.00
Cost of Instruction in Special Classes in the Evening Schools.	\$530.00
Cost of Instruction in Vacation Schools	294.00
Cost of Instruction in Rindge Technical School, summer sessions, Harvard Students	800.00

COST OF INSTRUCTION IN THE DAY SCHOOLS.

Salaries of teachers, superintendent, supervisor, agent, clerks, and truant officers

Year	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year Ending in June	Total Cost	Cost per Pupil
1907	460	15,580	14,957	\$385,927.00	\$25.80
1908	454	16,019	15,214	374,000.99	24.58
1909	457	15,895	15,465	389,919.31	25.21
1910	456	15,633	15,457	391,398.56	25.32
1911	459	15,328	15,135	407,730.84	26.94
1912	473	15,502	14,946	432,370.47	28.93
1913	485	15,909	15,258	469,292.44	30.75
1914	499	16,105	15,510	501,693.10	32.34

COST OF THE DAY SCHOOLS.

Cost of instruction, of text-books and supplies, of incidental expenses, of the care of truants, the care of schoolhouses, and of the transportation of pupils, but not including repairs.

Year	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year Ending in June	Total Cost	Cost per Pupil
1907	460	15,580	14,957	\$488,636.18	\$32.67
1908	454	16,019	15,214	477,286.82	31.37
1909	457	15,895	15,465	489,712.68	31.66
1910	456	15,633	15,457	492,579.06	31.86
1911	459	15,328	15,135	508,168.85	33.58
1912	473	15,502	14,946	535,683.13	35.84
1913	485	15,909	15,258	566,215.45	37.11
1914	499	16,105	15,510	607,875.97	39.19

COST OF INSTRUCTION IN THE EVENING SCHOOLS.

Year	Drawing	Industrial	High	Elementary	Director	Total
1910	\$1,197.00	\$1,309.00	\$1,585.00	\$7,062.00	\$315.00	\$11,468.00
1911	936.00	1,218.00	1,600.00	6,832.00	300.00	10,886.00
1912	819.00	1,809.50	2,231.00	7,492.75	400.00	12,752.25
1913	749.00	1,899.50	2,316.00	*6,894.00	.....	11,859.00
1914	654.00	1,808.50	3,152.00	**7,820.50	.....	13,435.00

*Including the cooking class, etc.

**Including the trade class, etc.

GENERAL STATISTICS.

POPULATION OF CAMBRIDGE.

1865.....	29,112	1895.....	81,643
1875.....	47,838	1905.....	97,434
1885.....	59,600	1910.....	104,391

SCHOOL CENSUS.

Number of children in the city five years old or over, but less than sixteen: boys, 9,032; girls, 8,970; total, 18,002.

Number of children in the city fire years of age or over and under seven years of age: boys, 1,804; girls, 1,763; total, 3,567.

Number of children in the city seven years of age or over and under fourteen years of age: boys, 5,921; girls, 5,837; total, 11,758.

Number of children in the city fourteen years of age or over and under sixteen years of age: boys, 1,307; girls, 1,370; total, 2,677.

SCHOOLS AND CLASSROOMS.

(a) High and Latin School	1	Classrooms in use	45
(b) Rindge Technical School	1	" " "	18
(c) Elementary Schools	29	" " "	313
Kindergartens	17	" " "	17
Trade School	1	" " "	6
Evening Industrial School	1	" " "	7
Evening Drawing Schools	2	" " "	3
Evening High School	1	" " "	23
Evening Elementary Schools	6	" " "	54
Evening Trade School for Girls	1	" " "	4
Whole number of Day Schools			49
Whole number of classrooms for Day Schools			399
Whole number of Evening Schools			11
Whole number of classrooms for Evening Schools			91

- (a) This school occupies two buildings and has assembly halls, libraries, lecture rooms, recitation rooms, chemical and physical laboratories, a drawing room and a gymnasium.
- (b) This school occupies three buildings and has an assembly hall, drawing rooms, recitation rooms, chemical, electrical and physical laboratories, and rooms for various kinds of shop work.
- (c) Fourteen of these have assembly halls.

NUMBER OF TEACHERS IN THE DAY SCHOOLS.

December	High and Latin School	Rindge Technical School	Elementary Schools	Kinder-gartens	Trade School	Directors and Special Teachers	Total
1910	47	24	340	30	...	15	456
1911	54	27	335	28	...	15	459
1912	64	27	340	28	...	14	473
1913	63	28	348	29	5	12	485
1914	67	27	355	29	8	13	499

ATTENDANCE AT ALL THE DAY SCHOOLS.

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent. of Attendance
	Boys	Girls	Total			
1910	8,903	8,253	17,156	15,457	14,376	93.0
1911	8,696	8,137	16,833	15,135	14,137	93.4
1912	8,765	8,112	16,877	14,946	13,944	93.3
1913	8,813	8,334	17,147	15,258	14,105	92.5
1914	8,793	8,341	17,134	15,510	14,374	92.6

ATTENDANCE AT THE HIGH AND LATIN SCHOOL.

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent. of Attendance
	Boys	Girls	Total			
1910	236	852	1,088	994	956	96.2
1911	335	1,073	a 1,408	1,226	1,177	96.0
1912	470	1,250	b 1,720	1,487	1,430	96.1
1913	587	1,188	c 1,775	1,647	1,545	93.6
1914	616	1,263	d 1,879	1,726	1,651	95.6

(a) This number includes 185 that entered the school in February.

(b) This number includes 209 that entered the school in February.

(c) This number includes 68 that entered the school in February.

(d) This number includes 50 that entered the school in February.

ATTENDANCE AT THE RINDGE TECHNICAL SCHOOL.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent. of Attendance
1910	623	549	522	94.9
1911	a 705	587	557	94.8
1912	b 699	584	550	94.1
1913	c 645	537	507	94.4
1914	d 614	530	500	94.3

(a) This number includes 85 that entered the school in February.

(b) This number includes 73 that entered the school in February.

(c) This number includes 68 that entered the school in February.

(d) This number includes 37 that entered the school in February.

ATTENDANCE AT THE GRAMMAR SCHOOLS.

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent. of Attendance
	Boys	Girls	Total			
1910	4,218	4,036	8,254	7,569	7,142	94.3
1911	4,205	3,959	8,164	7,665	7,271	94.9
1912	3,985	3,790	7,775	7,356	6,926	94.2
1913	3,970	3,846	7,816	7,105	6,972	93.9
1914	3,851	3,769	7,620	7,182	6,735	93.7

ATTENDANCE AT THE PRIMARY SCHOOLS.

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent. of Attendance
	Boys	Girls	Total			
1910	3,338	2,892	6,230	5,613	5,162	92.0
1911	3,128	2,783	5,911	4,970	4,575	92.0
1912	2,997	2,554	5,551	4,548	4,218	92.7
1913	3,220	2,821	6,041	5,265	4,797	91.1
1914	3,305	2,883	6,188	5,399	4,947	91.6

ATTENDANCE AT THE KINDERGARTENS.

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent. of Attendance
	Boys	Girls	Total			
1910	488	473	961	732	594	81.1
1911	465	450	915	687	557	81.0
1912	749	665	1,414	971	820	84.0
1913	484	522	1,006	704	584	82.8
1914	463	457	920	673	541	80.4

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE HIGH AND LATIN SCHOOL.

Year	Boys	Average Age	Girls	Average Age
1910	100	14 years 6 months	338	14 years 8 months
1911 Feb.	57	14 years ½ month	128	14 years 1 month
Sept.	106	14 years 3 months	350	14 years 6 months
1912 Feb.	62	13 years 9 months	147	14 years 4 months
Sept.	165	14 years 6 months	265	14 years 3 months
1913 Feb.	25	13 years 11 months	43	14 years 1 month
Sept.	163	13 years 7 months	361	14 years 5 months
1914 Feb.	19	13 years 9 months	31	14 years 3 months
Sept.	245	14 years 6 months	433	14 years 6 months

NUMBER OF PUPILS GRADUATED FROM THE HIGH AND LATIN SCHOOL.

Year	Boys	Average Age	Girls	Average Age
1910	18	18 years 7 months	109	18 years 7 months
1911	56	18 years 3 months	146	18 years 4 months
1912	41	17 years 11 months	131	18 years 2 months
1913	49	18 years 3 months	146	18 years 4 months
1914	65	18 years 3 months	146	18 years 6 months

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE
RINDGE TECHNICAL SCHOOL, WITH THE NUMBER OF GRADUATES.

Year	Admitted	Average Age	Graduated in June	Average Age
1910	219	15 years 2 months	68	18 years 1 month
1911 Feb.	85	14 years 2 months	83	17 years 7 months
Sept.	218	14 years 8 months		
1912 Feb.	73	14 years 8 months	62	18 years 5 months
Sept.	148	14 years 8 months		
1913 Feb.	68	14 years 10 months	63	18 years 6 months
Sept.	172	14 years 11 months		
1914 Feb.	37	14 years 9 months	72	18 years 4 months
Sept.	230	14 years 7 months		

NUMBER OF PUPILS GRADUATED FROM THE GRAMMAR SCHOOLS.

Year	Boys	Average Age	Girls	Average Age
1910	452	14 years 8 months	429	14 years 11 months
1911 Feb.	153	14 years 2 months	128	14 years 0 months
June	345	14 years 7 months	389	14 years 7 months
1912 Feb.	157	14 years 3 months	148	14 years 5 months
June	294	14 years 3 months	293	14 years 6 months
1913 Feb.	54	14 years 7 months	52	14 years 5 months
June	315	14 years 6 months	367	14 years 6 months
1914 Feb.	46	14 years 8 months	35	14 years 8 months
Sept.	424	14 years 6 months	473	14 years 8 months

NUMBER OF PUPILS COMPLETING THE PRIMARY COURSE OF STUDY.

Year	Boys	Average Age	Girls	Average Age
1910	765	9 years 5 months	731	9 years 4 months
1911	672	9 years 4 months	667	9 years 1 month
1912	679	9 years 4 months	586	9 years 2 months
1913	713	9 years 6 months	629	9 years 7 months
1914	831	9 years 9 months	668	9 years 7 months

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE
GRAMMAR SCHOOLS.

Year	In 3½ or 4 years	In 4½ or 5 years	In 5½ or 6 years	In 6½ or more
1910	6 per cent.	26 per cent.	52 per cent.	16 per cent.
1911	9 per cent.	28 per cent.	50 per cent.	13 per cent.
1912	12 per cent.	36 per cent.	43 per cent.	9 per cent.
1913	14 per cent.	42 per cent.	36 per cent.	8 per cent.
1914	12 per cent.	42 per cent.	37 per cent.	9 per cent.

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE
PRIMARY SCHOOLS.

Year	In less than 3 years	In 3 years	Between 3 and 4 years	In 4 years	In more than 4 years
1910	4 per cent.	65 per cent.	3 per cent.	20 per cent.	8 per cent.
1911	30 per cent.	36 per cent.	13 per cent.	13 per cent.	8 per cent.
1912	21 per cent.	40 per cent.	16 per cent.	12 per cent.	11 per cent.
1913	13 per cent.	47 per cent.	11 per cent.	18 per cent.	11 per cent.
1914	20 per cent.	37 per cent.	8 per cent.	24 per cent.	11 per cent.

NUMBER OF PUPILS IN THE HIGH AND LATIN SCHOOL,
DECEMBER, 1914.

Year	Boys	Girls	Total	Per Cent.
Post Graduate	23	18	41	.022
Twelfth A	19	54	73	.038
Twelfth	54	144	198	.104
Eleventh A	39	86	125	.065
Eleventh	61	148	209	.109
Tenth A	56	81	137	.072
Tenth	112	198	310	.162
Ninth A	45	98	143	.075
Ninth	243	432	675	.353
Totals	652	1,259	1,911	

NUMBER OF PUPILS IN THE RINDGE TECHNICAL SCHOOL,
DECEMBER, 1914.

Year	Boys		Per Cent.
Twelfth A	33	This school is for boys only. It became a part of the public school system January 1, 1899.	.058
Twelfth	43		.076
Eleventh A	35		.062
Eleventh	58		.103
Tenth A	34		.060
Tenth	98		.173
Ninth A	47		.083
Ninth	217		.385
Total	565		

NUMBER OF PUPILS IN THE GRAMMAR SCHOOLS, DECEMBER, 1914.

Year	Boys	Girls	Total	Per Cent.
Eighth	582	627	1,208	.168
Seventh	771	758	1,529	.213
Sixth	794	715	1,509	.211
Fifth	733	669	1,402	.196
Fourth	819	708	1,527	.212
Total	3,699	3,477	7,176	....

NUMBER OF PUPILS IN THE PRIMARY SCHOOLS, DECEMBER, 1914.

Year	Boys	Girls	Total	Per Cent.
Third	785	717	1,502	.278
Second	953	869	1,822	.337
First	1,060	1,024	2,084	.385
Total	2,798	2,610	5,408	....

NUMBER OF PUPILS AND TEACHERS IN THE KINDERGARTENS.

Year	Boys	Girls	Total	Number of Teachers
1910	381	376	757	30
1911	606	503	1,109	28
1912	371	424	795	28
1913	377	368	745	29
1914	344	378	722	29

NUMBER OF PUPILS REGISTERED IN THE EVENING DRAWING SCHOOLS, WITH THE AVERAGE ATTENDANCE.

	1911-1912	1912-1913	1913-1914	1914-1915
Number registered.	121	98	147	96
Average attendance	60	53	57	60

NUMBER OF PUPILS REGISTERED IN THE EVENING INDUSTRIAL SCHOOL, WITH THE AVERAGE ATTENDANCE.

	1911-1912	1912-1913	1913-1914	1914-1915
Number registered.	109	183	303	197
Average attendance	55	87	97	96

NUMBER OF PUPILS REGISTERED IN THE EVENING HIGH SCHOOL, WITH THE AVERAGE ATTENDANCE.

	1911-1912	1912-1913	1913-1914	1914-1915
Number registered.	297	483	692	793
Average attendance	159	270	379	602

NUMBER OF PUPILS REGISTERED IN THE EVENING ELEMENTARY SCHOOLS, WITH THE AVERAGE ATTENDANCE.

	1911-1912	1912-1913	1913-1914	1914-1915
Number registered.	2,156	2,989	3,573	2,637
Average attendance	869	1,132	1,729	1,547

NUMBER OF PUPILS IN THE PRIVATE SCHOOLS IN CAMBRIDGE. INCLUDING THOSE IN THE PAROCHIAL SCHOOLS.

1909	1910	1911	1912	1913	1914
4,128	4,157	4,272	4,472	4,864	5,258

NUMBER OF AGE AND SCHOOLING CERTIFICATES ISSUED.

1909	1910	1911	1912	1913	1914
913 *556	870 *285	853 *593	752 *1,080	1,671 *4,806	1,112 *5,509

*Issued to minors over sixteen years of age.

REMARKS ON THE STATISTICS.

The number of pupils registered in the day schools during the year ending June, 1914, was 17,134, a decrease of thirteen over the preceding year; the average number belonging was 15,510, an increase of 252; and the average attendance was 14,374, an increase of 269. The number of pupils in the day schools in December was 16,105, an increase of 196.

The cost of the day schools for the financial year from April 1, 1914, to April 1, 1915, which includes the salaries of teachers, superintendents, supervisor, agent, secretary, clerks and truant officers, was \$501,693.10. The total cost of the day schools, which includes the cost of instruction, text-books and supplies, incidental expenses, care of truants, care of buildings, including fuel and light, and the transportation of pupils, was \$607,875.97.

The registration in the evening schools during the term from October 14, 1914, to the week ending March 26, 1915, was 3,723, a decrease of 300 over the preceding year; the average number belonging was 2,305, a decrease of 39; and the average attendance was 1,862, a decrease of 21. The total cost of these schools, which includes the cost of instruction, text-books and supplies, and the care of buildings, including heat and light, was \$18,447.54.

TABULAR VIEW.

TEACHERS IN SERVICE APRIL, 1915.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
High and Latin School			
Leslie L. Cleveland	Head Master	Williams College, A.B.	Jan. 1910
Chester M. Bliss	Master	Amherst College, A.B., A.M.	Sept. 1907
Thomas L. Bramhall	Master	Harvard University, A.B.	Sept. 1910
George H. Cain	Teacher	Potomac College, A.B.	Sept. 1909
Percy C. Campbell	Teacher	Bates College, A.B.	Sept. 1911
Joseph A. Coolidge	Teacher	Harvard University, A.B., A.M.	Mar. 1892
Cecil T. Derry	Teacher	Harvard University, A.B., A.M.	Oct. *1905
Timothy F. Downey	Teacher	Harvard University, A.B.	Sept. 1912
George H. Glasheen	Teacher	Fitchburg Business College	Oct. 1914
Helen M. Albee	Teacher	Radcliffe College, A.B., A.M.	Sept. 1885
Alice C. Baldwin**	Teacher	Wellesley College, A.B.	Sept. 1895
Margaret M. Ball	Teacher	Lawrence University, Wis., A.B.	Feb. 1912
Margaret S. Bradbury	Teacher	Radcliffe College, A.B.†	Jan. 1902
Alice M. Brown	Teacher	Normal School of Gymnastics. (Special Courses)	Sept. 1910
Isabel S. Burton	Teacher	(Private schools and studied abroad)	Sept. 1899
Ethel E. Carr	Teacher	Radcliffe College, A.B.	Sept. 1908
Alice D. Chamberlain	Teacher	Radcliffe College, A.B.	Sept. 1900
Caroline Close	Teacher	Cambridge Training School. (Special Courses)	Nov. 1879
Bertha L. Cogswell	Teacher	Boston University, A.B., A.M.	Jan. 1894
Gertrude H. Crook	Teacher	Boston University, A.B. Rad- cliffe College, A.M.	Sept. 1896
Grace L. Deering	Teacher	Maine Seminary (Courses abroad and at Radcliffe College)	Feb. 1892
Grace E. Dennett	Teacher	Radcliffe College, A.M. Simmons College, S.B.	Sept. 1907
Mary L. Diehl	Teacher	English High School. (Attended College of Commerce, Sim- mons College and Harvard Summer School)	April 1915
Esther S. Dodge**	Teacher	Boston University, A.B.	Oct. 1897
Margaret M. Dowd	Teacher	Boston Normal Art School (Special Courses)	Oct. 1912
Caroline Drew	Teacher	(Special Courses and studied abroad)	Oct. 1888
Elizabeth M. Driscoll	Teacher	Boston University, A.B.	Mar. 1914
Sara L. Fisher	Teacher	Smith College, A.B.	Sept. 1910
Elizabeth B. Flanders	Teacher	Framingham Normal Art School (Courses at Radcliffe)	Sept. 1905
Louise A. Forrest	Teacher	Boston University, A.B.	Feb. 1913
Florence H. French	Teacher	Radcliffe College, A.B.	Nov. 1909

*Resigned June, 1911, and reappointed September, 1912.

**On leave of absence for study or travel in accordance with the Rules of the School Committee.

†Attended the Wellington Training School.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
High and Latin School-Con.			
Mary C. Hardy	Teacher	Radcliffe College, A.B.	Feb. 1912
Louise A. Hannon		Smith College, A.B.	Dec. 1891
Miriam H. Harris		Boston University, A.B.	Sept. 1911
Elizabeth L. Huling		Radcliffe College, A.B., A.M.	Sept. 1905
Mabel F. Ivers		Salem Normal School	Sept. 1911
Catherine G. Kelley		Boston University, A. B.†	Sept. 1908
Sarah W. Kelly		Wellesley College, A.B.	Feb. 1911
Lillian H. Kenney		Salem Normal School (Special Courses)†	Mar. 1901
Maud A. Lawson		Radcliffe College, A.B.	Sept. 1892
Ethel M. MacLeod		Radcliffe College, A.B.†	Mar. 1906
Gertrude M. Mason		Gorham, Me., Normal School. Bryant and Stratton's Com. Col., Springfield, Mass.	Feb. 1912
Mary R. McCarthy		Radcliffe College, A.B.	Sept. 1912
Ethel G. McElroy		Radcliffe College, A.B., A.M.	Sept. 1911
Henrietta E. McIntire		Radcliffe College, A.B., A.M.	Sept. 1891
Mary L. McSweeney		Radcliffe College, A.B.†	Sept. 1913
Mary Moulton		(Attended Wellesley College 3 years. Special Courses and studied abroad)	Sept. 1890
Louisa P. Parker		Westfield Normal School. (Courses at Radcliffe Col- lege)	Mar. 1881
Clessie P. Putnam		Bay Path Institute, N.B. Forbes Library Training Class, Northampton, Mass.	Sept. 1911
Lillian C. Rogers*		Boston University, A.B.	Sept. 1893
Eva M. Ruggli		Radcliffe College, A.B.	Feb. 1912
Olive K. Ryan**		Tufts College, A.B.	Sept. 1911
Ethel V. Sampson		Radcliffe College, A.B.	Sept. 1899
Caroline A. Sawyer		Boston University, A.B., Rad- cliffe College, A.M.	Sept. 1886
Florence W. Smith		Radcliffe College, A.B.	Sept. 1897
Martha R. Smith		Boston Normal school. (Courses at Harvard and private courses)	Jan. 1882
Delia M. Stickney		Institute of Technology, S.B.	Sept. 1883
Jennie S. Spring		Smith College, A.B.	Mar. 1886
Annie F. Stratton		Radcliffe College, A.B.	Sept. 1899
Blanche E. Townsend		Salem Normal School. (Special Courses)	Sept. 1900
Agnes L. Tracy		Cambridge High School. (Rad- cliffe College, 3 years)	Oct. 1904
Winifred A. Waters		Boston University, A.B.	Sept. 1914
Mabel D. Watson		Radcliffe College, A.B.	Sept. 1901

†Attended the Wellington Training School.

*On leave of absence for study or travel in accordance with the Rules of the School Committee.

**On leave of absence.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
High and Latin School-Con.			
Lucy T. White	Teacher	Sargent School for Physical Education	April 1913
Alice S. Willoughby		Mass. Normal Art School (Radcliffe College, 1 year)	Mar. 1914
Madeleine Wood		Radcliffe College, A.B.†	Sept. 1907
Martha L. Babbitt	Sec. and Lib.	Cambridge Training School	May 1887
Katherine S. Carroll	Clerk and Sten.	Bryant and Stratton's Commercial College	Nov. 1914
James E. O'Brien	Coach	Holy Cross College	Sept. 1914
Rindge Technical School			
John W. Wood, Jr.	Head Master	Harvard University, S.B.	Jan. 1899
James F. Conlin	Master	Harvard University, A.B., A.M.	Feb. 1905
Myra I. Ellis	Teacher	Cambridge Training School. (Berlin University)	Feb. 1878
Anna P. Butler	Teacher	Trinity College, Washington, A.B.†	Sept. 1909
Helen W. Metcalf		Mt. Holyoke College, A.B.	Sept. 1898
Gertrude B. Rogers		(Attended Colby College, 2 years) Tufts College, 2 years, A.B.	Feb. 1911
Anna R. Ward		Indiana State University, A.B.	Sept. 1909
Ingolf V. Bockmann		Norway Technical School. (Attended Sloyd Schools)	Feb. 1911
Edgar R. Breed		Mass. Normal Art School	Nov. 1912
Edward P. Chester		Clark College, A.B. (Attended Columbia College, 2 sum- mers)	Nov. 1914
Burton L. Cushing		Institute of Technology	Oct. 1914
Joseph B. Davison		Malden High School	April 1909
Raymond A. FitzGerald		Harvard College, B.S.	Sept. 1913
George H. Gohlke		University of Wisconsin, B.L.	Sept. 1911
Evan W. Griffiths		Harvard University, A.B., A.M.	Sept. 1903
John C. Hall		Boston University, S.B.	Sept. 1908
Charles C. Jones		Warner, N. H., High School	Sept. 1911
Lester W. Ladd		Harvard University, B.A.S.	Sept. 1910
Charles A. Linehan		Harvard University, S.B.	Sept. 1914
Edward R. Markham		Wesleyan Academy. (Courses in Mechanical En- gineering.	Sept. 1903
James M. Norton		Dartmouth College, A.B.	Sept. 1899
Martin F. O'Connor		Boston College, A.B.	Sept. 1914
Otis A. Philbrick		Mass. Normal Art School	Sept. 1911
Leverett L. Preble		(Private Instruction and Shop Experience. Special Courses)	Sept. 1910
Charles H. Richert		Boston Normal Art School	Dec. 1905
James G. Telfer		Common Schools	June 1889
Marion L. Pike	Secretary	Cambridge Latin School	Sept. 1909

†Attended the Wellington Training School.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Agassiz School			
Maria L. Baldwin	Principal	Cambridge High School (Courses at Harvard)*	Sept. 1882
Lillian M. Cuddy	7	Salem Normal School†	Dec. 1904
Ada M. Litchfield	6	Boston Normal School†	May 1891
Marion Beane	5	Mt. Holyoke College, A.B.	Jan. 1911
Frances W. Dawson	4	Bradford Academy. (Special Courses)	Sept. 1902‡
Lucy A. Roper	3	Salem Normal School†	Sept. 1907
Clara W. Ruggli	3	Bridgewater Normal School. (Special College Course)†	Sept. 1900
Rose M. Hill	1	Kindergarten Training School†	Sept. 1911
Grace C. Stedman	1	Cambridge High School. Kin- dergarten Training School	May 1896
Boardman School			
Elizabeth J. Karcher	Principal	Cambridge High School. (Spe- cial Courses)*	May 1881
Blanche M. Gould	3	Colby Academy, N. H. (Boston University, 2½ years)†	Oct. 1904
Pauline V. Casey	2	Framingham Normal School†	Sept. 1910
Malvina M. Joslin	2	Northfield, Vt., High School† (Hyannis Normal School. Summer Course)	May 1891
Mary C. Ward	2	Salem Normal School†	Mar. 1911
Mabel E. Blake	1	North Andover High School. (Salem Normal School, 1 year)	Jan. 1892
Ruth M. Craig	1	Kindergarten Normal School†	Sept. 1910
Sybil L. M. Cronin	1	Salem Normal School†	Sept. 1912
Cushing School			
Sarah C. McManama	Prin. 1	Bridgewater Normal School†	Sept. 1907
Louise A. Kelley	3-2	Lowell Normal School†	Dec. 1911
Elna G. Dawson	2-1	Danvers Boarding School. (College Extension Course)	Sept. 1912
Ellis School			
Frank M. Buckley	Master	Holy Cross College, A.B. Yale University, A.M. Columbia University	Sept. 1912
Ernest Libby	Submaster	Bridgewater Normal School. (Chicago University)	Sept. 1906
Caroline L. Blake	8	Wheaton Seminary. (Special Courses)	Sept. 1894
Adelaide G. Bunker	8	Bridgewater Normal School	Nov. 1902
Charlotte L. Griswold	8	New Britain Normal School	Sept. 1894

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†Attended the Wellington Training School.

‡Taught previous to this and resigned.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Ellis School—Continued			
Louise H. Griswold	8	Terryville High School. (Special Courses)	Sept. 189
Emma A. Faulkner	7	(Attended Keene, N. H., High School.) (Special Courses)	Oct. 188
Mary Louise Gallagher	7	Bridgewater Normal School†	Jan. 191
Flova C. Ingraham	7	Providence Normal School	Oct. 188
Mary A. Stephenson	7	Bridgewater Normal School	Sept. 189
Katharine M. Greene	6	Salem Normal School†	Sept. 190
Katharine L. Dolan	6	Salem Normal School†	Nov. 189
Ellen J. Hunt	5-4	Salem Normal School. (Special Courses)	June 188
Felton School			
C. Florence Smith	Prin. 3	Boston Normal School, (Har- vard Summer School)†	Jan. 188
Marcia R. Bowman	2	Framingham Normal School†	Sept. 189
Carrie H. Smith	2-1	Cambridge High School*	Jan. 187
Sallie A. Brooks	1	Kindergarten Training School†	Sept. 191
Eleanor M. Stevens**	1	Bangor, Me., Normal School†	Oct. 190
Fletcher School			
George B. Colesworthy	Principal	Bowdoin College, A.B. Harvard University, A.B.	Sept. 190
Nellie A. Coburn	Master's Asst.	Lowell High School. (Attended Private Seminary)	Sept. 190
Mary N. Flewelling	8-7	Salem Normal School†	Oct. 190
Helena M. Maguire	7	Salem Normal School†	Jan. 191
Susan L. Senter	7	Medway High School†	Sept. 189
Jane O. Mosher	6	Boston University, A.B.†	Sept. 191
Frances E. Higgins	5	Cambridge High School	Sept. 189
Mary I. Chapin	5-4	(Attended Indiana Normal School)	Oct. 190
Elmira F. Hall	4	Cambridge High School†	May 1897
Gertrude M. Baker	3	Radcliffe College, A.B.†	Sept. 190
Martha B. Perkins	3	Salem Normal School	Sept. 190
Catherine Culhane	2	Kindergarten Training School†	Jan. 191
Marion Prescott	2	Cambridge English High School†	Oct. 189
Eva A. Taylor	2	Cambridge High School†	May 189
Elizabeth M. Delay	1	Framingham Normal School†	Jan. 191
Margaret E. Jones	1	Kindergarten Training School†	Sept. 191
Hattie A. Thayer**	1	Boston Normal School†	Sept. 1890
Emma G. Wentworth	Ungraded	Salem Normal School†	Oct. 190
Fresh-Air School Felton Building			
Grace A. Coyle	Principal	Radcliffe College, A.B.	Sept. 191

*Attended the Cambridge Training School.

**On leave of absence.

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‡Taught previous to this and resigned.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Gannett School			
Mary A. Rady	Prin. 2	Normal School and School of Ex-pression. (Special Courses)	Sept. 1880
Gertrude T. Sullivan	3	Salem Normal School†	Dec. 1902
Annie M. Billings	2-1	Cushing Academy. (Attended Quincy Training School)	May 1893
Mary A. Maguire	1	Salem Normal School†	Sept. 1913
Marah L. O'Reilley	1	Salem Normal School†	Jan. 1915
Gore School			
Mary E. Mulloney	Principal	Cambridge Training School. (Special Courses)	Sept. 1878
Catherine L. Dinneen	3	Salem Normal School†	Dec. 1908
Louise Kane	3	Kindergarten Training School†	Sept. 1914
Stasia R. Peters	3	Newton High School. (Special Courses)†	Oct. 1892
Lora E. Reardon**	3	Salem Normal School†	Sept. 1900
Ebene C. Delay	2	Lowell Normal School†	Sept. 1913
Catharine L. McElroy	2	Salem Normal School	May 1888
Elia G. McHugh	2	Salem Normal School†	Oct. 1894
Ana E. Callahan	1	Salem Normal School	Sept. 1883
Marguerite F. Doherty	1	Lowell Normal School†	Sept. 1913
Esther A. Hegarty	1	Coburn, Me., Classical Institute. (Special Courses)	Sept. 1896
Frances M. Donovan	Ungraded	Kindergarten Training School†	Nov. 1912
Harvard School			
William L. MacGregor	Master	Richmond, N. S., High School. (Attended Hyannis Normal School)	Sept. 1906
Catharine L. Carr	Master's Asst.	Potsdam, N. Y., Normal School	Nov. 1901
Mella J. French	8	Cambridge High School. (Special Courses)*	Sept. 1872
Martense O. Young	8	Fall River High School	Sept. 1883
Elie L. Bartlett	7	Castine, Me., Normal School. (Special Courses at Harvard)	Sept. 1890
Gertrude P. McCusker	7	Salem Normal School†	Sept. 1907
Elizabeth L. Setchell	7	Salem Normal School	Sept. 1888†
May E. Sullivan	7	Framingham Normal School	Nov. 1909
Frances Fabyan	6	Cambridge High School*	Jan. 1878
Annie B. Lowell	6	Portland, Me., Normal School	April 1898
Margaret M. Fearn	5	Salem Normal School†	Mar. 1897
Mace I. Nelligan	5	Salem Normal School†	Sept. 1911
Loise C. Patterson	5	Northampton High School. (College work at Harvard)	Dec. 1892
Marguerite L. Harris	4	Framingham Normal School†	April 1914
Polyn E. Macdonald	4	Salem Normal School†	Jan. 1909

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**On leave of absence.

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†Taught previous to this and resigned.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Harvard School—Con.			
Katherine F. Smith	4	Bridgewater Normal School†	Sept. 1912
Annie M. Street	Special Teacher	Westfield Normal School. (Attended Summer Institute)	Sept. 1889
Agnes C. Doherty	Special Class	Kindergarten Training School†	Sept. 1913
Honora F. O'Brien	Special Class	Gloucester High School. (Attended Boston Normal School)	Sept. 1909
Houghton School			
James E. White	Master	Bridgewater Normal School. Sloyd School. (Special Courses)	Jan. 1906
R. Emily Penney	Master's Asst.	Salem Normal School†	June 1893
Winifred L. Kinsley	7	Boston Normal School†	Sept. 1888†
Mary L. Edmunds	6	Salem Normal School†	Jan. 1915
Margaret J. Penney	6	Cambridge High School (Spe- cial Courses)*	April 1882
Hattie Shepherd	6	Cambridge High School (Spe- cial Courses)*	Sept. 1882
Katharine F. Callahan	5	Salem Normal School†	Nov. 1903
Mary T. Shea	5	Lowell Normal School†	Sept. 1912
Grace S. Beckwith	4	Westfield Normal School. (Special Courses)†	Sept. 1904†
Mary G. Snow	4	Salem Normal School†	Sept. 1905
Helene M. Seils	3	Salem Normal School†	Sept. 1909
Elizabeth A. Tower	3	Cambridge High School*	Dec. 1870
Jennie E. Brooks	3-2	Salem Normal School†	Sept. 1910
Mary F. Fitzgerald	2	Salem Normal School†	Sept. 1912
Amanda M. Alger	1	Cambridge High School*	May 1880
Elizabeth M. Kline	1	Salem Normal School†	Sept. 1912
Elizabeth D. Pierce	1	Kindergarten Training School†	Sept. 1913
Kelley School			
H. Warren Foss	Master	Colby College, Me., A.B. (Courses at Harvard)	Sept. 1904
Francis J. O'Hara	Submaster	Boston College, A.B., A.M. Boston Normal School	Sept. 1912
Catharine A. McLean	Master's Asst.	Salem Normal School†	Oct. 1899
Emma J. Houlahan	7	Salem Normal School†	Sept. 1903
Esther D. Paul	6	Boston University, A.B.†	Oct. 1899
Ellen A. Kidder	6-5	(Teachers' Courses and Sum- mer Courses at Harvard)†	Oct. 1890
Maude M. Dutton	5	Bridgewater Normal School†	Oct. 1899
Margaret B. McCullough	4	Salem Normal School†	Sept. 1903
Grace F. Mullins	4	Salem Normal School†	Jan. 1915
Julia M. Horgan	3	Salem Normal School†	Sept. 1903
Mary F. Regan	3	Salem Normal School†	Oct. 1899
Elsie H. Coofer	2	Salem Normal School†	Sept. 1903

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*Attended the Cambridge Training School.

‡Taught previous to this and resigned.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Kelley School—Con.			
Margaret F. Sanderson	2	Salem Normal School†	Nov. 1900
Ellen T. Carroll	2-1	Kindergarten Training School†	Sept. 1907
Olive L. Cook	1	Framingham Normal School. (Summer Courses)	April 1905
Eva G. Oakes	1	Warren High School. (Martha's Vineyard Summer School, 5 years)†	Oct. 1898
Mary L. Feeny	Special Class	Salem Normal School†	Sept. 1907
Lawrence Hall Annex			
Florence Rice	Principal	Kindergarten Training School. (Radcliffe College, 2 years)	Sept. 1899
Katherine C. Hussey	Assistant	Kindergarten Training School†	Nov. 1912
Lowell School			
Agnes J. McElroy	Prin. 3-2	Salem Normal School†	Dec. 1891
Cora B. Poole	5-4	Salem Normal School†	Feb. 1906
Eleanor B. Rock	1	Kindergarten Training School†	April 1914
Merrill School			
Louise W. Harris	Principal	Cambridge High School. (Spe- cial Courses)*	Jan. 1876
Katharine Pendergast	3	Warren High School†	Sept. 1909
Nellie F. Walker	3	Kennebunk, Me., High School. (Attended Com. College)	Sept. 1899
Margaret F. Dwyer	2	Kindergarten Training School	Feb. 1914
Henriette E. deRochemont	2	Portsmouth, N. H., Normal School	Sept. 1894
Marion B. Magwire	1	Framingham Normal School†	June 1894
Gertrude S. Thayer	1	Salem Normal School†	Sept. 1903
Morse School			
Mary A. Townsend	Master	Farmington, Me., Normal School (Summer Courses and Pri- vate Lessons)	April 1882
Mary E. Towle	Master's Asst.	Westfield Normal School. (Summer Courses and Pri- vate Lessons)	Feb. 1874
Clintina E. Curtis	8-7	Plymouth, N. H., Normal School	Dec. 1907
Florence E. Hunter	7	Castleton, Vt., Normal School. (Troy Conference Academy, 3 years). (Summer Schools)	Feb. 1900
Ida J. Holmes	6	R. I. Normal School. (Summer Courses and Private Les- sons)	Sept. 1895
Anna A. O'Connell	6	Bridgewater Normal School. (University and Private Courses)†	Sept. 1900

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*Attended the Cambridge Training School.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Morse School—Con.			
Lucy M. Soulee	5	Everett High School	Sept. 1893
Elizabeth H. Richards	5-4	Robinson Seminary, N. H.†	Jan. 1899
Alice E. May	4	Bridgewater Normal School	Oct. 1893
Bertha J. Waldron	3	Susquehanna Collegiate Institute	Sept. 1904
Mary E. Warren	3	Lawrence Academy, Groton. (Hyannis Normal and N. Adams Training Schools)	Jan. 1902
Elizabeth J. Baldwin	2	Boston Normal School†	Jan. 1886
Edith M. Carman	2	Salem Normal School†	Dec. 1904
Christina R. Denyven	1	Bridgewater Normal School. (Special Courses)†	Jan. 1888
Grace E. Lally	1	Boston Normal School†	Jan. 1909
Anna L. P. Collins	Special Teacher	(Attended Plymouth, N. H., Normal School)	Sept. 1893
Parker School			
Mary A. Knowles	Principal	Billerica High School. (Special Courses)	Sept. 1897
Rose M. O'Toole	3-2	Fitchburg Normal School. (Post-Graduate Course, 2 years)	Jan. 1910
Mary A. O'Callaghan	2	Cambridge English High School. (Attended Salem Normal School)	Sept. 1913
Agnes Marchant	2-1	Mt. Holyoke Seminary. Bridge- water Normal School. (Spe- cial Courses)	Oct. 1894
Mary F. Delaney	1	Salem Normal School†	Jan. 1915
Peabody School			
Harold Lawton	Master	Harvard University, A.B.	Sept. 1912
Anna F. Bellows	Master's Asst.	Lancaster Academy	Sept. 1889
Frances F. Curtis	8	Bridgewater Normal School. (Special Courses)	Mar. 1898
Josephine C. Wyman	8	Farmington, Me., Normal School	April 1903
Helen A. Abbott	7	Radcliffe College, A.B.†	Sept. 1911
Susan C. Allison	7	Cambridge High School. (At- tended Boston Normal School)†	Sept. 1889
Anna H. Welsh	7-6	(Attended Wellesley College, 2 years)†	Sept. 1901
Bernice E. Bartlett	6	Emerson School of Oratory†	Sept. 1907
Tina M. King	5	Bridgewater Normal School†	Sept. 1908
Blanche C. Trefethen	5	Normal Department, Robinson Seminary†	Mar. 1895†
Butella E. L. Conland	4-3	Randolph, Vt., Normal School	Dec. 1898
Susan E. Wyeth	3	Cambridge High School	Mar. 1869
Mary A. Burke	2	Salem Normal School†	Sept. 1885

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‡Taught previous to this and resigned.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Peabody School—Con.			
Edith F. Pulsford	2	Kindergarten Training School†	Sept. 1910
Maude E. Brown	1	Kindergarten Training School†	Jan. 1915
Clara A. Goodere	1	Fitchburg Normal School	Jan. 1910
Minnie H. Ketchum	1	Kindergarten Training School†	Sept. 1913
Putnam School			
Frederick B. Thompson	Master	Teachers' School of Science. Bridgewater Normal School	Nov. 1894
Harold B. Blazo	Submaster	Harvard University, A.B.	Sept. 1910
Maude M. Mixer	Master's Asst.	Teachers' School of Science. Bridgewater Normal School	Sept. 1905
Sarah M. Grieves	8	Cambridge High School*	Oct. 1882
Margaret F. O'Keefe	7	Salem Normal School†	Sept. 1900
Nellie A. Kerrigan	8-7-6 (Pre-Voca- tional Class)	Salem Normal School†	Oct. 1904
Martha Chisholm	6	Gloucester Training School. (Special Courses)	Sept. 1907
Jane E. McKearin	6	Wellesley College, A.B.†	Sept. 1907
Lena L. Ramhofer	6	Salem Normal School†	Sept. 1912
Annie M. R. Sturtevant	6	Wellesley College, A.B.†	Dec. 1907
Frances S. Garaway	5	Framingham Normal School†	Nov. 1911
Florence A. Hickey	5	Salem Normal School†	Sept. 1912
Mary A. Carmichael	4	Salem Normal School†	Feb. 1889
Annie A. Trelegan	4	Salem Normal School† (Special Courses)	Dec. 1891
Reed School			
Alice G. Dacey	3-2	Salem Normal School†	Jan. 1909
Dorothy R. Duvey	1	Kindergarten Training School†	Jan. 1915
Winifred B. Goodwillie	Open Air	Salem Normal School. (Sum- mer Courses)†	Mar. 1906
Roberts School			
W. Mortimer MacVicar	Master	Acadia College, N. S., A.M. (Harvard Graduate School, 2 years)	Sept. 1900
Sara A. Bailey	Master's Asst.	Caledonia Academy, Vt. (Special Courses)	May 1884
Caroline M. Williams	8	Cambridge High School*	Sept. 1880
Bessie W. C. Fuller	7	Vermont Academy, 2 years. (Hyannis Normal School, 2 summers)	Sept. 1909
Dora Leadbetter	7	Framingham Normal School. (Courses at Harvard)	Sept. 1906
Hilda Russell	7	Wellesley College, A.B. Kin- dergarten Training School†	Sept. 1912
Anna M. Walsh	7	Smith College, A.B.†	April 1914

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TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Roberts School—Con.			
Agnes E. Corry	6	Lowell Normal School†	April 1914
Evelyn B. Kenney	6	Maine Normal School	Nov. 1886
Mary E. Quirk	6-5	Salem Normal School†	Feb. 1910
Lucy S. Carter	5	Lowell Normal School	April 1910
Sarah E. Magurn	5	Framingham Normal School†	Sept. 1907
Mary M. Brigham	4	Winchendon High School. (Special Courses)	April 1882
Anna E. Dailey	4	Salem Normal School†	Sept. 1910
Mary E. Flahaven	4	Lowell Normal School†	Sept. 1913
Winifred M. D. Nolan		Lowell Normal School†	Sept. 1912
Russell School			
Arthur C. Wadsworth	Master	Harvard University, S.B. Wooster Uni., Ohio, A.M., Ph.D. Bridgewater Normal School	Sept. 1897
Mary S. Bingham	Master's Asst.	Salem Normal School. (Special work at Radcliffe)	Sept. 1904
Ida J. Mahoney	8	Framingham Normal School†	April 1903
Fannie P. Browning	7	Fitchburg High School	Sept. 1880
Marguerite E. Porter	7	Framingham Normal School†	Oct. 1911
Sara S. Coyne	6	Salem Normal School†	Feb. 1912
Josephine F. Rowe	6	Salem Normal School†	Mar. 1909
Annie W. Cooper	5	Salem Normal School†	Sept. 1911
H. Maud Maclean**	5	University of New Brunswick, B.A.†	Mar. 1896
Claire M. Sullivan	5	Salem Normal School†	Sept. 1910
Sigrid B. Aker	4	Kindergarten Training School†	April 1914
Alice V. Connelly	3	Salem Normal School†	Sept. 1908
Alice F. Sullivan	3	Kindergarten Training School†	Jan. 1915
Julia M. Davis	2	Baltimore High School. (Maryland Normal School, 1 year)	May 1900
Katharine F. Walsh	2	Salem Normal School†	Sept. 1912
Carrie J. Allison	1	Cambridge High School. (Private School)†	Sept. 1896
Shepard School			
Anna E. Welch	Principal	Salem Normal School†	Sept. 1904
Florence M. Dudley	7	Salem Normal School†	Dec. 1897
Alice M. Gage	7	High School. (Mt. Holyoke College, 2 years)	Mar. 1899
Mary F. Calnane	6	Salem Normal School	Dec. 1896
Theresa H. Mahoney	6	Framingham Normal School†	Sept. 1898
Anna G. Scannell	6	Salem Normal School	Sept. 1905
Agnes K. Geary	5	Salem Normal School†	Jan. 1909
Nettie I. Haff	5	Salem Normal School†	Sept. 1906
Marguerite M. O'Callaghan	4	Radcliffe College, A.B.†	Sept. 1914
Florence T. Hogan	3	Lowell Normal School†	Sept. 1913
Marjorie H. Lenox	Special Class	Salem Normal School†	Sept. 1906

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TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Sleeper School			
Elizabeth G. Nelligan	Principal	(Attended Salem Normal School)†	Dec. 1899
Mary A. Macklin	5	Salem Normal School†	Dec. 1902
Melissa M. Lloyd	4	Charlestown High School. (Special Courses)	Sept. 1893‡
Evelyn M. Dormer	3	Salem Normal School†	Dec. 1897
Katherine A. Mahoney	3	Salem Normal School†	Sept. 1913
Katherine M. Herlihy	2	Salem Normal School†	Sept. 1913
Margaret W. Murphy	2-1	Kindergarten Training School†	Jan. 1915
Mary R. Harrington	1	Salem Normal School†	Oct. 1910
Tarbell School			
Marrie P. Pierce	Prin. 2	Gloucester High School. (Salem Normal School, 1 year) (Special Courses)†	Oct. 1890
Millie A. Isaac	3	Salem Normal School†	Sept. 1909
Anna F. Moran	1	Kindergarten Training School†	Sept. 1911
William M. Tynes	1	Salem Normal School†	Sept. 1913
Taylor School			
Mary A. Boland	Principal	Salem Normal School. (Special Courses)†	Jan. 1898
Emma M. Goodwin	5	Farmington, Me., Normal School	Feb. 1910
Mary L. Lincoln	4	Bridgewater Normal School	Oct. 1912
Marietta A. McNamara	4	Cambridge High School (Attended Salem Normal School)	Nov. 1912
Ertrude A. Murphy	3	Salem Normal School†	Sept. 1912
Mary R. Collins	2	Lowell Normal School†	Sept. 1914
Lilce W. Gaughan	2	Salem Normal School†	Mar. 1911
Elia M. Delay	1	Framingham Normal School†	Sept. 1914
Annie A. Rea	1	Castine, Me., Normal School	Sept. 1909
Mary A. O'Toole	Special Class	Lowell Normal School†	Dec. 1912‡
Thorndike School			
James Dugan	Master	Amherst College, A.B.	Jan. 1910
Marriet A. Townsend	Master's Asst.	Framingham Normal School. (Special Courses)	Sept. 1887
Eleanor E. O'Brien	8	Salem Normal School†	Sept. 1909
Laura S. Westcott	8-7-6 (Pre-Vocational Class)	Boston Normal School. (Special Courses)	Sept. 1884
Walter M. Plympton	7	Salem Normal School	Sept. 1898‡
Label A. Short	7	Smith College, A.B. (Special Courses)†	Dec. 1904
Mary E. Bousquet	6	Salem Normal School†	Sept. 1909
Charles M. Herlihy	6	Boston College, A.B.	Sept. 1914
Margaret M. Carroll	5	Salem Normal School†	Sept. 1911

†Attended the Wellington Training School.

‡Taught previous to this and resigned.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Thorndike School—Con.			
Grace W. Fletcher	5	Cambridge High School*	Feb. 1874
Gertrude R. O'Hara	4	Salem Normal School†	Oct. 1914
Jennie L. Powell	4	Salem Normal School†	Sept. 1917
Minnie A. Doran	3	Salem Normal School. (Special Courses)†	Sept. 1898
Gertrude H. Glavin	3	Bridgewater Normal School	Nov. 1904
Julia S. Lewis	2	Framingham Normal School†	Nov. 1904
Anna N. Sullivan	2	Boston Normal School†	Mar. 1907
Julia A. Walsh	2	Salem Normal School†	Sept. 1914
Frances Allen	1	Cambridge High School*	Jan. 1877
Elizabeth B. Gahm	1	Cambridge High School. (Special Courses)*	Sept. 1887
Emily M. Dowd	Open Air	Lowell Normal School†	Nov. 1904
Rose C. Smith	Open Air	Salem Normal School†	Sept. 1914
Luella M. Marsh	Ungraded	Cambridge High School*	Feb. 1887
Helen C. Ready	Cooking	Simmons College	June 1914
Webster School			
John D. Billings	Master	Bridgewater Normal School. Boston Sloyd Training School. Tufts College A.M. (Honorary)	Sept. 1877
John H. Graham	Submaster	Bridgewater Normal School. (Extension Courses of Boston University)	June 1914
Alice C. Phinney	Master's Asst.	(Attended Bridgewater Normal School)	Oct. 1887
Charlotte M. Chase.	8	Cambridge Training School. (Special Courses)	Sept. 1877
Martha N. Hanson	8	(Attended N. H. Normal School)	Mar. 1887
Gertrude B. Duffy	8-7-6 (Pre-Vocational Class)	Salem Normal School. (Special Courses at Harvard and Simmons College)	April 1904
Honora A. Connell	7	Salem Normal School†	Sept. 1914
Josephine Hills	7	Framingham Normal School	Sept. 1887
Mary E. Murray	7	Cambridge Latin School. (Radcliffe College, 1 year)	Sept. 1914
Harriette E. Shepard	7	Salem Normal School. (Special Courses)†	Oct. 1887
Olive L. Slater	7	Westfield Normal School	Sept. 1887
Mabel T. Ashley	6	Framingham Normal School	Sept. 1887
Fannie M. Field	6	Bridgewater Normal School	Sept. 1914
Josephine S. Furfey	6	Salem Normal School†	Sept. 1914
Nora P. Nason	6	Gorham, Me., Normal School. (Special Courses)	Dec. 1914
Minnie V. Reid	6	Boston Normal School†	Sept. 1887
Gertrude E. Corry	5	Lowell Normal School†	Jan. 1914
Frances T. Haley	5	Bridgewater Normal School†	Sept. 1914

*Attended the Cambridge Training School.

†Attended the Wellington Training School.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Webster School—Con.			
Gertrude I. Johnson	5	Worcester Normal School	Sept. 1901
Grace E. Knight	5	Wellesley College, A.B.†	April 1914
William G. Rose	5	Lowell Normal School. School of Expression†	Sept. 1912
Alice M. Doyle	4	Radcliffe College, A.B.†	Dec. 1912
Mary H. Manning	4	Salem Normal School†	Sept. 1913
Leonor S. O'Connor	4	Salem Normal School†	Sept. 1912
Huise Wingate	4	North Adams Normal School†	Sept. 1912
Marion L. Smith	4	Lowell Normal School†	Sept. 1912
Ma A. Billings	Special Teacher	Bridgewater Normal School	Sept. 1889
Wellington School			
Herbert H. Bates	Master	Westfield Normal School. (Special Courses)	Oct. 1883
Mary I. Vinton	Supervisor	Salem Normal School. (Special Courses)	Mar. 1881
Margaret Kidd	Supervisor	Cambridge High School.* (Special Courses)	Sept. 1880
Gerie M. Stevens	Master's Asst.	Farmington, Me., Normal School. (Special Courses)	Nov. 1894
Grace F. Chamberlain	8	Framingham Normal School. (Teachers' School of Science)	April 1903
Ma L. Kendall	8	Randolph, Vt., Normal School	Sept. 1909
Grace M. Chamberlain	7	Salem Normal School†	Sept. 1913
Elizabeth T. Friel	7	Trinity Coll., Washington, D. C., A.B.†	Sept. 1914
Cherine I. Moran	7	Salem Normal School†	Sept. 1914
Ma L. Reycroft	7	Framingham Normal School†	Sept. 1914
Ben L. Welch	7	Mt. Holyoke College, A.B.†	Sept. 1911
Elizabeth A. Carroll		Framingham Normal School†	Jan. 1913
Utha E. Cook		Kindergarten Training School†	Jan. 1915
Ben M. Long		Salem Normal School†	Jan. 1915
Mildred F. Reinhalter	Ungraded Clerk	Bridgewater Normal School†	April 1914
Lin A. Sullivan		Salem Normal School†	Sept. 1905
Training Class			
Pauline D. Berthold	Substitute	Gorham, Me., Normal School†	
Julie A. Browning	Substitute	Radcliffe College, A.B.†	
Edith M. Gartland	Substitute	Radcliffe College, A.B.†	
Ma O'Loughlin	Substitute	Lowell Normal School†	
Willard School			
Marjorie E. Hayes	Principal	Framingham Normal School	Sept. 1902
Ed F. Cline	3	Kindergarten Training School†	Oct. 1910
Ed E. G. Harrington	3	Cambridge High School*	April 1881
Ma M. Sands	3	Bridgewater Normal School†	Nov. 1905

*Attended the Cambridge Training School.

†Attended the Wellington Training School.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Willard School—Con.			
Agalena Aldrich	2	Cushing Academy. (Wellesley College, 2 years)†	Sept. 190
Elizabeth M. Crowley	2	Salem Normal School†	Dec. 190
Eliza D. Watson	2	High School (Course at Boston University)	Sept. 1888
Grace R. Woodward	2	Cambridge High School*	Oct. 187
Evelyn S. Crowell	1	Kindergarten Training School†	Sept. 191
Ella F. Gulliver	1	Eastern Normal School, Me.	April 188
Isabel M. Nash	1	Kindergarten Training School†	Jan. 191
Katherine A. Powers	1	Framingham Normal School	April 191
Caroline A. Sullivan	1	Kindergarten Training School†	Nov. 191
Wyman School			
Elizabeth J. O'Keefe	Principal	Kindergarten Training School†	Oct. 190
Harriet R. Harrington	2	St. Johnsbury Academy. (Special Courses)†	Sept. 189
Agnes L. Moran	2	Salem Normal School†	Sept. 190
Mary H. Brooks	1	Bridgewater Normal School†	Sept. 189
Genevieve S. Flint	1	Dean Academy. Worcester Normal School†	Nov. 189
Ellen T. O'Keefe	1	Boston Normal School†	Sept. 190
Trade School			
Maude A. Deehan	Principal	Portland, Me., Normal School. (Special Courses in Cooking, Drafting, etc.)	Dec. 189
Katherine A. Burke	Sewing	(Special Courses)	Oct. 190
Annie M. Brady	Cooking and Sewing	Framingham Normal School	Dec. 190
Anna C. Coleman	Sewing	(Six years in dressmaking establishment)	Sept. 190
Nina G. Moore	Cooking	Pratt Institute, Brooklyn, N. Y.	Mar. 190
Helen F. Morton	Household Arts	Massachusetts Normal Art School	April 190
KINDERGARTENS			
Boardman			
Annie L. Crane	Head Kind.	Kindergarten Training School	Dec. 190
Dorothea Cutler	Assistant	Kindergarten Training School†	Sept. 190
Corlet			
Carita B. Dickson	Head Kind.	Kindergarten Training School	April 190
Gannett			
Carrie E. Shepherd	Head Kind.	Kindergarten Training School (Special Courses)	Sept. 18

*Attended the Cambridge Training School.

†Attended the Wellington Training School.

‡Taught previous to this and resigned.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Kindergartens—Con.			
Gore			
Elma E. Berthold	Head Kind.	Kindergarten Training School	Sept. 1889
William A. McCarthy	Assistant	Kindergarten Training School†	Sept. 1913
Houghton			
Marion L. Akerman	Head Kind.	Kindergarten Training School	April 1900
Elen F. Lister	Assistant	Kindergarten Training School†	Jan. 1915
Lowell			
Helinda Gates	Head Kind.	Kindergarten Training School (Berlitz School)	Sept. 1889
Merrill			
Caroline A. Leighton	Head Kind.	Kindergarten Training School (Special Courses)	Sept. 1896
Gertrude L. Bunton	Assistant	Kindergarten Training School†	Oct. 1910
Parker			
Anna D. Francis	Head Kind.	Kindergarten Training School†	Jan. 1906
Peabody			
Ebene L. Phelps	Head Kind.	Kindergarten Training School†	April 1904
Mary S. Dempsey	Assistant	Kindergarten Training School†	Sept. 1912
Shaw			
Harriette E. Ryan	Head Kind.	Kindergarten Training School (Post-Graduate Courses)	Sept. 1889
Erwina P. Quincy	Assistant	Kindergarten Training School†	Sept. 1914
Sleeper			
Abel S. Adams	Head Kind.	Kindergarten Training School	Oct. 1893
Esa M. Kelley	Assistant	Kindergarten Training School†	Sept. 1913
Taylor			
Mary F. Leland	Head Kind.	Kindergarten Training School	Mar. 1896
Elen F. Dogherty	Assistant	Kindergarten Training School†	Sept. 1911
Webster			
Janie S. Clough	Head Kind.	Kindergarten Training School	Sept. 1897
Elen N. Hicks	Assistant	Kindergarten Training School†	Sept. 1910
Wellington			
Gertrude M. Gove	Head Kind.	Kindergarten Training School	May 1893
Lillian S. Boothe	Assistant	Kindergarten Training School†	Sept. 1912†
Villard			
Mary A. McMahon	Assistant	Kindergarten Training School	Oct. 1911

†Attended the Wellington Training School.

‡Taught previous to this and resigned.

TABULAR VIEW—Continued.

Schools and Teachers	Grade	Where Graduated Highest Institution (Also Other Courses)	Date of Appoint- ment
Kindergarten—Con.			
Wyman Clara A. Hall	Head Kind.	Kindergarten Training School (Special Courses)	May 1892
Beatrice Kelley	Assistant	Kindergarten Training School†	Sept. 1911
SPECIAL SUBJECTS			
Music			
John B. Whoriskey	Director	(Special Courses in vocal and instrumental music)	Feb. 1911
Mabel T. Hackett	Assistant	Worcester Normal School. (Special Courses in vocal and instrumental music)	Sept. 1911
Drawing			
Peter Roos	Director	(Courses in Sweden and in the Boston Normal Art School)	Oct. 1892
Lucia N. Jennison	Assistant	Worcester Normal School Boston Normal Art School	Dec. 1892
Manual Training and Pro-Vocational Classes			
Emma F. Cutter	Ele. Grades	Boston Sloyd Training School	Mar. 1911
Dennis H. Haverty	Ele. Grades	Fitchburg Normal School	Nov. 1911
Frank P. Kelley	Ele. Grades	Mass. Normal Art School	Mar. 1911
John E. Howard	Ele. Grades	Sloyd Training School. Law School	Sept. 1911

Teachers of Sewing.....	Agnes Gordon, Director
	Edith T. Bates
	Maude E. Delorme
	Alice H. Nay*
	Mary J. Smith
	Minnie F. Wilson
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Superintendent of Schools.....	Michael E. Fitzgerald
Assistant Superintendent of Schools... ..	John J. Mahoney
Supervisor of Primary Schools.....	Mary A. Lewis

†Attended the Wellington Training School.
*On leave of absence for study or travel in accordance with the Rules of the School Committee.

TABULAR VIEW—Concluded.

Director of Kindergartens.....	Alice V. McIntire
Agent	Constantine J. Church
Secretary of the School Committee.....	Elizabeth S. O'Connor

Clerks	Daniel J. Lynch
	Althea B. Frost
	Elizabeth S. O'Connor
	Ellen B. Wait
Telephone Operator	Helen C. Butler
Porter	John H. Lemon
Truant Officers	Lucian S. Cabot
	Dennis F. Hurley
	William H. Porter
	James H. Shuckrowe
	John J. Sullivan
	Edward J. Walsh

Pensioned Teachers and Officials.

Agent	Sanford B. Hubbard
Master Emeritus, Ellis School.....	Edward O. Grover
“ “ Thorndike School.....	Ruel H. Fletcher
Teachers, High School.....	Emma A. Scudder
Elementary Schools.....	Ella R. Avery
“ “	Addie M. Bettinson
“ “	Mary P. Blair
“ “	Sally N. Chamberlain
“ “	Ellen A. Cheney
“ “	Josephine M. Doherty
“ “	Mary A. Driscoll
“ “	Georgianna P. Dutcher
“ “	M. Elizabeth Evans
“ “	Charlotte A. Ewell
“ “	Mary M. Gilman
“ “	Sarah J. Gunnison
“ “	Nellie A. Hutchins
“ “	Annie B. Josselyn
“ “	Ellen M. Leighton
“ “	Evelyn J. Locke
“ “	Eliza S. Paddack
“ “	Frances E. Pendexter
“ “	Emily R. Pitkin
“ “	Julia A. Robinson
“ “	Mary E. Sawyer
“ “	Abby S. Taylor
“ “	Lydia A. Whitcher

SALARY SCHEDULE OF TEACHERS AND SCHOOL OFFICERS.

Cambridge High and Latin School.

	Minimum	Increase Per Year	No. of Years	Maximum
Head Master	\$2,520	\$120	6	\$3,240
Masters	2,040	120	2	2,280
Heads of Departments—male.....	1,800	120	2	2,040
Instructors	1,200	120	5	1,800
Heads of Departments—female....	1,020	120	3	1,380
Teachers	840	60	7	1,260

Rindge Technical School.

Head Master	\$2,520	\$120	6	\$3,240
Instructors	1,440	120	3	1,800
Teachers—male	1,020	120	4	1,500

Trade School.

Principal	\$1,020	\$120	3	\$1,380
Heads of Departments.....	888	60	3	1,068
Teachers	828	60	3	1,008
Teachers—female	840	60	7	1,260

Wellington Training School.

Master	\$2,400	\$120	5	\$3,000
Supervisors	960	60	5	1,260
Master's Assistant	840	60	5	1,140
Assistants, 8th Grade.....	768	60	5	1,068
Assistants, 7th Grade.....	708	60	5	1,008

Elementary Schools.

Masters	\$2,040	\$120	5	\$2,640
Submasters—Grammar Schools....	1,200	120	5	1,800
Masters' Assistants.....	840	60	5	1,140
Principals—9 rooms or more.....	960	60	6	1,320
Principals—8 rooms or less.....	768	60	6	1,128
Teachers of 8th Grade.....	768	60	5	1,068
Teachers	588	60	7	1,008

Kindergartens.

Teachers	\$576	\$60	7	\$996
Assistants	504	60	6	864

Music.

Director	\$1,920	\$60	5	\$2,220
Assistant	708	60	6	1,068

Drawing.

Director	\$1,920	\$60	5	\$2,220
Assistant	708	60	6	1,068

REPORT OF CITY MESSENGER

April 1, 1915.

To the Honorable, the City Council, Cambridge, Mass.:

Gentlemen:—In compliance with the provisions of Section 3 of Chapter 8 of the Revised Ordinances of 1892, I submit my report for the year ending March 31, 1915, as follows, viz:

POSTAGE AND STATIONERY

Stock of stationery on hand, April 1, 1914.....	\$405 60
Purchased during the year	2,052 11
	<hr/>
	\$2,457 71
	<hr/>

Deliveries were as follows:

Assessors' Department	\$109 71
Auditing Department	26 50
Board of Health Department	63 21
Bridges	12 00
Cemetery Department	50 70
City Clerk Department	182 13
City Council Expenses	105 19
City Messenger Department	49 33
Clerk of Committees Department	62 96
Election Expenses (City Clerk)	182 80
Electrical Department	29 36
Engineering Department	17 33
Executive Department	130 40
Inspector of Animals	50
Free Employment Department	1 78
Inspector of Milk and Vinegar	13 40
Law Department	50 10
Overseers of the Poor Department	67 50
Park Department	144 44
Public Library Department	184 00
Sealer of Weights and Measures	11 40
Sewer Department	17 82
Soldiers' Aid Department	20 04
Street Department	82 64
Superintendent of Buildings	15 56
Registrar of Voters	81 84
Treasury Department	31 63
Water Department	100 71
Public Safety Commission	31 13
Bills on File	132 16
Stock on hand, March 31, 1915	449 44
	<hr/>
	\$2,457 71

During the municipal year annual documents have been received from the following cities and towns and are on file in the reference library:

Arlington	1913-14	Lawrence	1913
Bangor, Me.	1914	Lowell	1913
Belmont	1914	Lynn	1913
Beverly	1913	Marlboro	1913
Brockton	1913-14	Nashua, N. H.	1914
Brookline	1913-14	Newburyport	1914
Chelsea	1913	Newport, R. I.	1914
Chicopee	1913	Newton	1914
Concord, N. H.	1913	Taunton	1914
Everett	1913	Pittsfield	1914
Fall River	1913	Somerville	1914
Fitchburg	1913	Springfield	1914
Gloucester	1913	Waltham	1913
Haverhill	1913	Watertown	1914
Holyoke	1913	Woburn	1913

Respectfully submitted,

A. FRANK MONTGOMERY,

City Messenger.

ANNUAL REPORT OF THE ELECTRICAL DEPARTMENT

OFFICE OF THE CITY ELECTRICIAN,

June 5, 1915.

To the Honorable, the City Council, of the City of Cambridge:

Gentlemen: I submit herewith the sixteenth annual report of the electrical department for the fiscal year beginning April 1, 1914, and ending March 31, 1915.

INSPECTION OF ELECTRICAL WIRING IN BUILDINGS

No fires in buildings from electrical wiring nor accidents from interior wiring were reported during the year.

The following is a table showing the amount of work done in this department during the past year compared with the year before. As will be noted, the amount of work has increased slightly and the total amount of work is so great that with only two inspectors in the department, it is impossible to do any systematic reinspection of old installations. The reinspection of old installations is work that should be done periodically, and it is to be hoped that a sufficient addition to the inspection force may be made to enable this work to be done.

TABULATION OF INSPECTION OF INTERIOR WIRING

	April 1, 1913, to March 31, 1914	April 1, 1914, to March 31, 1915.
Number of inspections.....	2,127	2,370
Number of installations inspected.....	866	962
Capacity 16 c. p. incandescent lamps installed.....	24,390	29,760
Capacity low potential arcs installed	29	—
Number of power motors installed.....	240	254
H. P. of motors installed.....	1,144	1,280
Number of generators installed.....	6	—
Number of defects noted.....	480	586
Number of unfinished inspections.....	50	42

OUTSIDE WIRES AND POLES

No systematic work has ever been done in this branch of the department, but the inspections have been made by the linemen in the fire alarm and the police telegraph branch by making note of conditions that have come under their notice as they went through the streets in connection with their work. Unsafe conditions found by the employees of the Cambridge Electric Light Co., New England Tel. & Tel. Co., and Boston Elevated Railway Co. are also reported to this office.

If an inspector were employed to reinspect old installations of interior wiring, he could also make systematic inspections of outside poles and wires, and in view of the importance of both branches of this work, I recommend that another inspector be employed by the department.

I recommend, also, that a systematic scheme for the placing of conduits and the removal of poles and overhead wires be carried out. This will entail an expenditure on the part of the City for placing its wires underground, but unless this is done, we shall soon have a condition where the companies owning the poles will have removed their wires and placed them underground, but the poles will have to remain to carry the City wires. If a comprehensive scheme, whereby all the wires on streets in a prescribed district could be placed underground, were adopted, at the same time the poles could be removed and leave the street in a better appearing and safer condition.

The number of permits to replace poles issued during the year is as follows:

Cambridge Electric Light Co.....	60
New England Telephone and Telegraph Co.....	1

The number of permits to run wires issued during the year is as follows:

Cambridge Electric Light Company.....	0
New England Telephone and Telegraph Company.....	1,102
Boston Elevated Railway Company.....	0

POLICE SIGNAL SYSTEM

The police signal system has been operated with no changes or additions other than those required in the ordinary maintenance of the system.

FIRE ALARM SYSTEM

It appeared early in the year that an appropriation might be made within a short time to install new fire alarm office equipment in the new quarters designed for the electrical department at Inman Square. No changes were made and no more money spent in maintenance on the old system, therefore, than were calculated to carry it along safely until the new system could be installed. After much discussion, an appropriation of Twenty-five Thousand Dollars (\$25,000) was made in November, 1914, and in December, 1914, the contract for a new fire alarm system, according to specifications written by the City Electrician, was awarded to the Gamewell Fire Alarm Telegraph Co. of New York for Nineteen Thousand Dollars (\$19,000). The Star Electric Co. of Newark, N. J. bid Nineteen Thousand Three Hundred and Twenty-five Dollars (\$19,325). There were no other bidders.

It will probably take about a year before the new apparatus is installed and ready to connect to our circuits.

The tower striker in the Methodist Church on Harvard St. was discontinued during the summer on account of repairs which were made to the tower of the church in such a way as to change the construction of the tower, so that the striker could not be used therein. The tower bell in the Inman Square Engine House was discontinued when the old building was torn down in preparation for the construction of the new headquarters building.

The following new fire alarm boxes were installed:

- 211 Willow St., near Cambridge St.
- *343 Gray & Davis Factory, Esplanade.
- 327 Albany St., Cor. Erie St.
- 345 Brookline St., near Esplanade.
- * Private Box.

Following are a few statistics of the system:

Central station equipment.....	1
Fire alarm boxes on the street.....	146
Fire alarm boxes on private premises.....	35
Fire alarm boxes with keyless doors.....	99
Fire alarm boxes with glass key doors.....	14
Length of circuit wires in system in miles.....	160
Tower bells connected with system.....	9
Steam whistles connected with system.....	3
Tappers in firemen's houses	46
Tappers in factories where firemen work.....	6

Tappers in electrical department men's houses.....	3
Tappers in fire department houses.....	19
Tappers other than above.....	19
Telephones connected with the system.....	23
Total number of bell alarms for fire sounded during past year.....	420
Number of second alarms for fire sounded during past year.....	1
Number of third alarms for fire sounded during past year.....	3
Number of general alarms for fire sounded during past year.....	1
Number of no school alarms sounded during past year.....	5
Number of still alarms reported during past year.....	260

OUTSIDE CONSRUCTION WORK

The additions to the circuits consisted wholly in the wire run to install the new fire alarm boxes and for changing the location of tappers in houses for firemen who changed their places of residence.

By far the larger part of the outside construction work consisted in renewing old wire and in changing City wires to new poles that were set to replace old poles, and in eliminating unsafe conditions in our fire alarm and police signal circuits.

STREET LIGHTING

The change from tungsten lamps to inverted magnetite arcs for the so-called "Great White Way" at Central Square and vicinity was completed early in the summer. Shortly afterward Type "C" lamps of 1000 c. p. were installed on Massachusetts Avenue from Quincy Square to Vernon Street. These lamps were installed in the same kind of globe mounted on a similar post as that used in the Great White Ways, and these lamps therefore served as a connecting link between the Great White Ways in Harvard Square and Central Square. The Type "C" lamps of this size give practically the same amount of light as the magnetite arcs, but the distribution of the light on the street is different. The cost is less, however, it being Ninety-eight Dollars (\$98) per year for the magnetite arcs, and Ninety-two Dollars (\$92) per year for the Type "C" lamps; and after a test of sufficiently long duration, if the Type "C" lamp is found to be satisfactory, it will be substituted for the magnetite arcs, thereby bringing about a material saving in street lighting maintenance.

The tests on the smaller sizes of nitrogen filled lamps for street lighting have been discontinued temporarily on account of the difficulty of getting the lamps. As soon as it is found possible to get the lamps in sufficient quantity, the tests will be started again.

The number and kind of lamps in use at the end of the fiscal year, March 31, 1915, is as follows:

	March 31, 1914	March 31, 1915	Increase
Magnetite arc lamps.....	133	170	37
Type "C"-1000 c. p.....	0	6	6
Tungsten arc lamps-200 c. p.....	594	543	51*
Tungsten arc lamps-240 c. p.....	140	132	8*
Incandescent lamps	662	689	27
Welsbach gas lamps.....	284	303	19

*Decrease.

To His Honor the Mayor and the City Council I express my appreciation for courtesies extended to me during the year.

Respectfully submitted,

TIMOTHY C. O'HEARN,

City Electrician.

REPORT OF INSPECTOR OF ANIMALS

HON. TIMOTHY W. GOOD, Mayor, City Hall, Cambridge, Mass.

Dear Sir:—I beg to submit the following report of the year ending April 1, 1915, for Department of Inspection of Animals for the City of Cambridge:

To sick animals in Street Department.....	327 visits
(including Hampshire, Raymond and Tannery Street Stables)	
To sick animals in Fire Department.....	275 visits
(including all fire stations)	
To sick animals in Police Department.....	24 visits
(including all stables)	
To sick animals in Health Department.....	2 visits
To sick animals in Water Department.....	20 visits
To horses injured by falling in trenches, and other accidents relative to prospective court cases and claims for damages..	10 visits
Sealer of Weights and Measures.....	5 visits
Glanders: Cases reported and seen.....	45 visits
Cases destroyed—31	
Visits to stables for disinfection relative to glanders..	62 visits
Visits to horse-shoeing shops where horses that were killed for glanders had been shod, and shops whitewashed and disinfected.....	10 visits
Investigation of dogs reported as having bitten people and sus- pected of rabies.....	6 visits
	<hr/> 786
Inspection "Foot and Mouth Disease":	
25 visits weekly for 20 weeks from Nov. 14, 1914-to April 1, 1915	500
	<hr/>
Total number of visits for all departments during the year.....	1,286

In November of last year, "Foot and Mouth Disease," a form of contagion affecting the mouth and feet of cattle and other domesticated animals, broke out in Michigan. It quickly found its way to the Chicago Stock Yards, then to the Buffalo market, and finally to the Brighton Stock Yards, where cattle were sold and distributed all over the State for dairy purposes.

In a matter of a short while, outbreaks occurred in 65 towns and cities in the Commonwealth. It is economically impossible to treat this disease, although the mortality is low: 3 per cent. in mild cases to 40 per cent. in malignant ones.

The havoc caused by this pestilence cannot be overestimated. Immense sums of money have to be expended once it gets into a community. The disease is spread by pigeons, dogs, cats, birds and wild animals, carrying the germs from infected areas to others. Variance

of opinion exists among scientists as regards its contagiousness to the human family, but it is an assured fact that outbreaks of sore mouth and tonsillitis in a virulent form has existed among children in various parts of the State.

A number of cases have been cited in the 1902 outbreak of grown people contracting the disease in a form of ulceration of the stomach and intestines, attended by some fatalities.

In this city, immediately upon receiving word from the State authorities, the cow stables of the entire city were inspected and stringent methods adopted as far as possible to prevent the disease from coming into the city. Weekly inspections were made by myself, assisted by Inspector of Provisions Johnson. A system of education was started among the owners as regards symptoms and appearances of the disease and insisting on thorough cleanliness and disinfection of premises daily, which, I am pleased to say, has been carried out persistently.

As yet no cases have been discovered in our city, although every adjoining town and city have had outbreaks.

(Signed) D. L. BOLGER, D.V.S.,
Inspector of Animals.

ANNUAL REPORT OF THE DOWSE INSTITUTE

The Trustees of the Dowse Institute have the honor to report that during the year 1914-15 they have conducted a course of lectures in Brattle Hall, beginning January 21, 1915, and closing March 25, 1915.

They have also, in accordance with Section III of the deed of trust, appropriated portions of their income from entertainments to certain "charitable, scientific, or literary purpose in the City of Cambridge."

The report of the Treasurer is appended.

FRANCIS GREENWOOD PEABODY,
GEORGE HOWLAND COX,
JOSEPH H. BEALE,

Trustees.

GEO. HOWLAND COX, TREASURER IN ACCOUNT WITH DOWSE INSTITUTE.

1915						
Jan.	1.	To balance on hand	\$492 05	1915 Jan'y.	By Riverside Alliance, Courses of Instruction	\$30 00
		Interest Cambridge Trust Co.	\$3 97		Young Women C. A., for lec- tures	15 00
22.		Sale of Tickets	97 25		L. F. Weston, printing	11 75
		Interest Cambridge Trust Co	1 97		Cambridge Tribune, advertis- ing	10 00
Feb.	6.	City of Cambridge, interest on fund one year	600 00		Cambridge Chronicle, advertis- ing	10 00
		Sale of Tickets	17 25		Cambridge Sentinel, advertis- ing	5 00
Mar.		Interest Cambridge Trust Co.	2 90		Boston Transcript, advertis- ing	8 00
			723 34		City of Cambridge, license for 6 lectures	6 00
					Roy Chapman Andrews, lec- ture	100 00
					W. L. Underwood, lecture....	50 00
					Charles T. Copeland, lecture	50 00
					A. L. Squier, lecture	55 00
					James Ford, lecture	50 00
					Pierian Sodality, concert	75 00
					Cambridge Social Union, rent of hall	120 00
					Cambridge Standard, advertis- ing	5 00
					Caustic & Clafin, printing....	3 50
					Cambridge Union of Social Workers	50 00
					Door Keeper and Ushers	26 00
						<hr/>
						\$680 25
				Apr. 15.	Balance	535 14
						<hr/>
						\$1,215 39

Audited: JOSEPH H. BEALE.

GEORGE HOWLAND COX, Treasurer

REPORT OF BOARD OF CEMETERY COMMISSIONERS

Cambridge, April 1, 1915.

To the Honorable City Council of the City of Cambridge:

Dear Sirs: The Board of Commissioners of Cambridge Cemetery respectfully submits its sixty-first annual report, the same being for a twelve months' period ending March 31, 1915.

The amounts appropriated for the use of the department during the past season were as follows:

General Expenses	\$1,150.00
Salaries	16,000.00

There was expended during the year the following amounts:

Account of:

General Expenses	\$1,591.38
Salaries	16,233.23

For a detailed account of expenditures, reference is made to the City Auditor's Report.

The revenue to April 1st, 1915, has been as follows:

Sales	\$8,556.00
Burials, Care, etc.	12,570.31
Interest on Perpetual Care Fund	3,989.74
Perpetual Care Fund	3,217.50

The business of the Cemetery during the past season has shown a substantial increase. The amount received for sales of lots and graves being approximately Eighteen Hundred and Fifty Dollars (\$1,850.00) more than for the previous season.

The additional sales have made an increase in the amount of labor at the Cemetery which warranted a much larger force than was available under the appropriations made for the department.

The laying out of the new lots and graves is being continued in the Greenwood Avenue section of the Cemetery. The Board has been averse to laying out single graves in this section but will be compelled to do so within a short time unless sufficient appropriation should be made to provide filling for that portion of the ground lying westerly of River Avenue.

It is pleasing to note that the perpetual care fund is continually increasing. More than Three Thousand Dollars (\$3,000.00) was added to the fund during the past season and this fund now amounts to One Hundred Eight Thousand, Two Hundred Fifty-seven Dollars and Nineteen Cents (\$108,257.19). From this fund there was credited to Cemetery Account the substantial sum of Three Thousand and Nine Hundred Eighty-nine Dollars and Seventy-four Cents (\$3,989.74) as interest, all of which was available for expenditures of lots under perpetual care.

During the year a fire occurred at the Cemetery resulting in the destruction of a shed used for storage of supplies and materials. It was found necessary to ask the City Council for an appropriation to replace this storehouse, and the materials which were destroyed, and the City Council made an appropriation in the sum of Fifteen Hundred Dollars (\$1,500.00) practically all of which was expended in the erection of a steel shed and the purchase of supplies.

Respectfully submitted,

GEORGE T. QUINN,
JEREMIAH J. SULLIVAN,
TIMOTHY F. McCARTHY,
EBEN H. GOOGINS,
THOMAS F. ROYLE,
THOMAS E. WILLIAMS,

Cemetery Commissioners.

REPORT OF BUILDING DEPARTMENT

April 1, 1915.

Hon. Timothy W. Good, Mayor,
Cambridge, Mass.

Dear Sir:—In accordance with the revised ordinances, the report of the building department from April 1, 1914, to April 1, 1915, is herewith presented.

To briefly summarize what has been mentioned more in detail in recent reports of the department, the following subjects should receive the attention of the City Council for their study and decision.

The Brattle Square and Central Square city buildings have outlived their usefulness and are no longer adequate for the city's business.

Signs and awnings, the hanging of which without any supervision over the highway, is an increasing menace to the traveling public and a possible loss to the city from damage suits.

The present building ordinances should be revised in view of recent legislation and also to secure such improvements in them as are necessary in the light of experience in securing their enforcement.

In view of the recent experience of the city in the construction of certain buildings, a more definite control of their planning and construction should be under the supervision of the building department instead of each department taking care of the matter for itself.

The work of the department inspectors has been efficient and thorough in its detail and should be commended at this time. The establishment of a fee system for building permits has received the close attention of the clerk of the department, Mr. W. H. Sheridan, and it promises to bring in a revenue for the city of \$4,000 per year.

Respectfully,

JEREMIAH F. DOWNEY,
Supt. of Public Buildings.

APPENDIX TO REPORT OF SUPERINTENDENT OF
PUBLIC BUILDINGS

INSPECTION OF BUILDINGS.

Number of inspections of buildings	3,728
Violations:	
Buildings without permit.....	10
Building too near line of adjoining lot.....	3
Defective chimneys	27
Defective foundations	12
Defective furnace pipes	18
Defective methods of construction	43
Defective rain water conductors.....	3
Defective means of egress	2
Dangerous buildings examined and ordered repaired or removed.....	18

GAS INSPECTION

Number of gas inspections.....	1,985
Number of fits inspected and tested.....	2,163
Number of jobs found not tight or otherwise not according to ordinance	165

INSPECTION OF PLUMBING.

Following is a detailed report of the inspection of plumbing department:

Number of applications received and permits granted.....	473
Number of tests and inspections.....	2,480
Number of jobs found defective or otherwise not in accordance with ordinances	11
Number prosecuted for violation of ordinances.....	0

INSPECTION OF ELEVATORS.

New installations were:	
Electric passenger	3
Electric freight	9
Plunger freight	2
Hand elevators	3
Existing installations are:	
Electric passenger	36
Hydraulic passenger	5
Electric freight	130
Steam freight	65
Hand elevators	19
Hydraulic freight	36
Number of inspections	900
Number of accidents	1
No deaths.	

Note:—For the purpose of comparing statistics with other cities as well as for the information of the United States Government and the various trade papers, it has been found expedient to have the following table cover the period of the calendar year 1914:

	WOODEN BUILDINGS				BRICK OR HOLLOW TILE				FIRE-RESISTING BUILDINGS								METAL				GRAND TOTAL	
	New		Additions, Alterations and Repairs		New		Additions, Alterations and Repairs		STONE				CONCRETE				New		Additions, Alterations and Repairs			
									New		Additions, Alterations and Repairs		New		Additions, Alterations and Repairs							
	No. of Permits	Cost	No. of Permits	Cost	No. of Permits	Cost	No. of Permits	Cost	No. of Permits	Cost	No. of Permits	Cost	No. of Permits	Cost	No. of Permits	Cost	No. of Permits	Cost	No. of Permits	Cost		
Apartment Houses	8	\$106,800	25	\$37,380	10	\$439,000	2	\$600												45	\$583,780	
Boilerhouses					2	29,000														2	29,000	
Car Barns							1	1,950												1	1,950	
Churches	1	6,500	1	1,750			1	22,000												3	30,250	
Clubhouses			2	1,450	2	120,000	2	2,300												6	123,750	
College Buildings (Harvard)							1	20,000					1	\$200,000						2	220,000	
College Buildings (Technology)	1	6,000											13	3,465,000						14	3,471,000	
Dance Hall	1	6,000																		1	6,000	
Dwellings (1 family)	12	70,100	72	43,550	2	23,000	3	1,850												89	138,500	
Dwellings (2 families)	33	181,700	57	37,805			2	3,075												92	222,580	
Dwellings (3 families)	39	263,700	39	25,840																78	289,540	
Factories			10	4,850	8	302,300	5	10,200												28	429,300	
Garages (Private)	17	4,825			5	9,528	1	30					3	16,700	2	\$95,250				40	47,610	
Garages (Public)			2	2,000	6	80,000	3	1,785					7	31,825			10	\$1,405		13	85,810	
Gas Meters													1	2,000	1	25				1	247,000	
Hospitals					1	4,000														2	4,400	
Office Buildings	1	250	5	4,350	1	500	2	1,500							1	400				9	6,600	
Schools					2	98,000														2	98,000	
Stables	4	13,300	5	983																9	14,285	
Storage Buildings	29	28,800	26	10,165	5	78,400	3	11,300												69	146,550	
Stores	5	1,125	20	6,450	1	21,000	5	11,325					1	9,760			5	8,125		32	40,200	
Theatres			1	4,000	2	60,000									1	300				3	64,000	
Miscellaneous, razed, moved, etc.																				84		
Totals	151	\$689,100	265	\$180,575	47	\$1,264,725	31	\$87,915					26	\$3,725,285	5	\$95,975	16	\$256,530		605	\$6,300,105	

[GENERAL ACT.]

[Chap. 267.]

AN ACT

TO SIMPLIFY THE REVISION OF CITY CHARTERS.

Be it enacted, etc., as follows:

Part I.

Section 1. The following words and phrases as used in this act shall, unless a contrary intention clearly appears, have the following meanings, respectively:—

The phrase “regular municipal election” shall mean the annual election of municipal officers for which provision is made in this act.

The words “officer,” “officers” and “administrative officers,” when used without further qualification or description, shall mean any person or persons in charge of any department or division of the city. The said words when used in contrast with a board or members of a board, or with division heads, shall mean any of the persons in sole charge of a department of the city.

The word “ordinance” shall mean a vote or order of the mayor and city council entitled “ordinance” and designed for the permanent regulation of any matter within the jurisdiction of the mayor and city council as laid down in this act.

The term “registered voter” shall mean a voter qualified to vote for elective officers within whose rights and powers the proposed measure would fall under this act.

“Plan A” shall mean a city government and legislative body composed of the mayor and a city council, the councillors being elected at large.

“Plan B” shall mean a city government and legislative body composed of a mayor and city council, the councillors being elected partly at large and partly from districts or wards of the city.

“Plan C” shall mean a city government and legislative body composed of a mayor and commissioners hereinafter specified.

“Plan D” shall mean a city government and legislative body

composed of a mayor and four councillors, and an administrative officer, called the city manager, whose powers and duties are defined in Part V of this act.

Section 2. Any city, except Boston, which shall adopt, in the manner hereinafter prescribed, one of the plans of government provided in this act, shall thereafter be governed by the provisions thereof; and the inhabitants of such city shall continue to be a municipal corporation under the name existing at the time of such adoption, and shall have, exercise and enjoy all of the rights, immunities, powers and privileges, and shall be subject to all the duties, liabilities and obligations provided for herein, or otherwise pertaining to or incumbent upon the said city as a municipal corporation.

Section 3. None of the legislative powers of a city shall be abridged or impaired by the provisions of this act, but all such legislative powers shall be possessed and exercised by such body as shall be the legislative body of the city under the provisions of this act.

Section 4. All ordinances, resolutions, orders or other regulations of a city or of any authorized body or official thereof, existing at the time when such city adopts a plan of government set forth in this act, shall continue in full force and effect until annulled, repealed, modified or superseded.

Section 5. Until superseded under the provisions of this act, the organization of the executive and administrative departments, and the powers and duties of the officers and employees of any city adopting any of the plans provided for in this act, and the fiscal year of such city shall remain as constituted at the time of the adoption of such plan; but the mayor and city council or other legislative body may at any time by ordinance, not inconsistent with general laws, reorganize, consolidate, or abolish departments, in whole or in part; may transfer the duties, powers and appropriations of one department to another, in whole or in part; may establish new departments; and may increase, reduce, establish or abolish salaries of heads of departments or members of boards. Nothing in this section contained shall authorize any action in conflict with the civil service law and the rules and regulations made thereunder.

Section 6. The territory of a city adopting any of the plans of government provided for in this act shall continue to be divided into the same number of wards existing at the time of such adoption, which wards shall retain their boundaries until the same shall be changed under the general law relating thereto in any year fixed by law for a new division of wards by cities.

Section 7. At any time not less than thirty days after the passage of this act, a petition addressed to the council or other legislative body of any city, in the form and signed and certified as provided in the next section, may be filed with the city clerk, who shall present the same to the city council or other legislative body. The petition shall be signed by qualified voters of the city to a number equal at least to ten per cent. of the registered voters at the state election next preceding the filing of the petition.

Section 8. The petition shall be in substantially the following form :--

To the city council (or other legislative body) of the city of

We, the undersigned, qualified voters of the city, respectfully petition your honorable body to cause to be submitted to a vote of the voters the following question: "Shall the city of adopt the form of government defined as Plan (A, B, C, or D, as it is desired by petitioners), and consisting of (describe plan briefly), as government by a mayor and nine councillors elected at large, or government by a mayor and councillors elected, partly at large and partly from wards or districts, or government by five commissioners, one of whom shall be the mayor, or government by a mayor and four councillors, with a city manager, according to the provisions of chapter of the general acts of the year nineteen hundred and fifteen entitled 'An act to simplify the revision of city charters'?"

The petition may be in the form of separate sheets, each sheet containing at the top thereof the heading above set forth, and when attached together and offered for filing the several papers shall be deemed to constitute one petition, and there shall be endorsed thereon the name and address of the person presenting the same for filing.

Section 9. Within five days after the petition shall have been

filed with him, the city clerk shall transmit a certified copy thereof to the city council, or other legislative body of the city, except that the signatures upon the petition need not be copied, but in place thereof the city clerk shall state the number of signatures of registered voters thereon, certified as such by the registrars of voters. If the petition shall have been filed with the city clerk, or if, in case a summary proceeding has been instituted and final decree thereon has been made in favor of the sufficiency of the petition not less than one month prior to a regular state election, the question or questions proposed by the petition shall duly be submitted upon the official ballot to a vote of the registered voters of the city at such regular state election.

Section 10. The question of the adoption of not more than one plan may be submitted at an election. If, pending the determination of the question or questions proposed by petition already filed, another petition presenting the question of the adoption of a different plan shall be presented for filing with the city clerk, no action shall be taken upon the later petition, except to file it, until after the submission to a vote of the question or questions proposed by the earlier petition. Should the result of such vote be adverse thereto, proceedings shall then be had upon the later petition as though it had been filed upon the day when such vote on the earlier petition was cast.

Section 11. If a majority of the total number of votes cast at a regular state election for and against the adoption of one of the plans of government provided for in this act shall be in favor of its adoption, the provisions of this act, so far as applicable to the form of government under the plan adopted by the city, shall supersede the provisions of its charter and of the general and special laws relating thereto and inconsistent herewith, but not, however, until officers provided for under such plan shall have been duly elected and their terms of office shall have begun. The officers provided for under the plan so adopted shall be elected in accordance with the provisions of this act, relating to such plan; and in accordance with the provisions of section fifteen of this part, and their terms of office shall begin at ten o'clock in the forenoon of the first Monday of January following their election.

Section 12. Should a majority of the votes cast be against the adoption of the plan proposed, no petition proposing the same plan

shall be filed within one year thereafter; but a petition proposing the adoption of one of the other plans provided for in this act may be filed at any time thereafter, and proceedings thereon shall be had as though no prior petition under this act had been filed.

Section 13. Should any one of the plans of government provided for in this act be adopted, the plan shall continue in force for the period of at least four years after the beginning of the terms of office of the officials elected thereunder; and no petition proposing a different plan shall be filed during the period of three years and six months after such adoption.

Section 14. It shall be the duty of the mayor, the aldermen and the common council, the city council or other legislative body and the city clerk in office when any plan of government set forth in this act has been adopted by the qualified voters of any city, or is proposed for adoption, to comply with all requirements of this act relating to such proposed adoption and to the election of the officers specified in the said plan, to the end that all things may be done which are necessary for the nomination and election of the officers first to be elected under the provisions of this act and of the plan so adopted.

Section 15. The first city election next succeeding the adoption of any of the plans provided for by this act shall take place on the third Tuesday of December next succeeding such adoption, and thereafter the city election shall take place annually on the Tuesday next following the first Monday of December, and the municipal year shall begin and end at ten o'clock in the morning of the first Monday of January in each year.

Section 16. No primary or caucus for municipal officers shall be held. Candidates for mayor, city council and school committee shall be nominated in accordance with the provisions of section one hundred and ninety-eight of Part II of chapter eight hundred and thirty-five of the acts of the year nineteen hundred and thirteen.

Section 17. On the first Monday in January at ten o'clock in the forenoon, the mayor-elect and the councillors-elect shall meet and be sworn to the faithful discharge of their duties. The oath may be administered by the city clerk or by any justice of the peace, and a certificate that such oath has been taken shall be entered on the journal of the city council. At any meeting thereafter the oath may be administered in the presence of the city council to

the mayor, or to any councillor absent from the meeting on the first Munday in January.

Section 18. Except as is especially provided in this section, the legislative powers of the city council may be exercised as provided by ordinance or rule adopted by it.

1. Every member of the council shall have the right to vote on any question coming before it. A majority of the council shall constitute a quorum, and the affirmative vote of a majority of all the members of the council shall be necessary to adopt any motion, resolution or ordinance.

2. The city council shall, from time to time, establish rules for its proceedings. Regular and special meetings of the council shall be held at a time and place fixed by ordinance. All legislative sessions shall be open to the public, and every matter coming before the council for action shall be put to a vote, the result of which shall be duly recorded. A full and accurate journal of the proceedings of the council shall be kept, and shall be open to the inspection of any registered voter of the city.

3. The council shall, by a majority vote, elect a city clerk to hold office for the term of three years and until his successor is elected and qualified. He shall have such powers and perform such duties as the council may from time to time prescribe, in addition to such duties as may be prescribed by law. He shall keep the records of the meetings of the council.

The person holding the office of city clerk at the time when any of the plans set forth in this act shall have been adopted by such city shall continue to hold office for the term for which he was elected and until his successor is elected and qualified.

Section 19. The city council at any time may request from the mayor specific information on any municipal matter within its jurisdiction, and may request him to be present to answer written questions relating thereto at a meeting to be held not earlier than one week from the date of the receipt by the mayor of said questions. The mayor shall personally, or through a head of a department or a member of a board, attend such meeting and publicly answer all such questions. The person so attending shall not be obliged to answer questions relating to any other matter. The mayor at any time may attend and address the city council in per-

son or through the head of a department, or a member of a board, upon any subject.

Section 20. No ordinance shall be passed finally on the date on which it is introduced, except in cases of special emergency involving the health or safety of the people or their property.

No ordinance shall be regarded as an emergency measure unless the emergency is defined and declared in a preamble thereto separately voted on and receiving the affirmative vote of two-thirds of the members of the city council.

No ordinance making a grant, renewal or extension, whatever its kind or nature, of any franchise or special privilege shall be passed as an emergency measure, and except as provided in chapter one hundred and twenty-two of the Revised Laws and sections one hundred and twenty-six and one hundred and twenty-seven of chapter seven hundred and forty-two of the acts of the year nineteen hundred and fourteen and acts in amendment thereof and in addition thereto, no such grant, renewal or extension shall be made otherwise than by ordinance.

Section 21. No ordinance or part thereof shall be amended or annulled except by an ordinance adopted in accordance with the provisions of this act.

Section 22. Any ordinance, order or resolution may be passed through all its stages of legislation at one session, provided that no member of the council objects thereto; but if any member of the council objects, the measure shall be postponed for that meeting.

Section 23. Every proposed ordinance or loan order, except emergency measures as hereinbefore defined, shall be published once in full in at least one newspaper of the city, and in any additional manner that may be provided by ordinance, at least ten days before its final passage. After such final passage, it shall, in the same manner as before, again be published once, as amended and completed, except in case of an emergency ordinance ~~which~~ may be passed as hereinbefore provided and which shall take effect on its passage, and shall be so published at the earliest practicable moment.

Section 24. All official bonds, recognizances, obligations, contracts and all other instruments entered into or executed by or to the city before this act takes effect in any city, and all taxes, special assessments, fines, penalties, forfeitures incurred or imposed,

due or owing to the city, shall be enforced and collected, and all writs, prosecutions, actions and causes of action, except as is herein otherwise provided, shall continue without abatement and remain unaffected by this act; and no legal act done by or in favor of the city shall be rendered invalid by its adoption of any plan of government provided for by this act.

Section 25. The civil service laws shall not apply to the appointment of the mayor's secretaries or of the stenographers, clerks, telephone operators and messengers connected with his office, and the mayor may remove such appointees without a hearing and without making a statement of the cause for their removal.

Section 26. If a vacancy occurs in the office of the mayor or city council before the last six months of the term of office, the city council shall order an election for a mayor or a number of the council to serve for the unexpired term; and if such vacancy occurs in the last six months of said term, the president of the city council shall succeed to the office of mayor for the unexpired term. If the mayor is absent or unable from any cause temporarily to perform his duties they shall be performed by the president of the city council. The person upon whom such duties shall devolve shall be called "acting mayor," and he shall possess the powers of mayor only in matters not admitting of delay, but shall have no power to make permanent appointments.

Whenever, under Plan C, any councillor shall be temporarily unable for any cause to perform the duties of his office, the council may appoint one of its members to exercise his powers and perform his duties during such disability. Should an appointive officer of the city be temporarily unable for any cause to perform his duties, the council or the mayor, having the power of original appointment, may make a temporary appointment of some person to act until such official shall resume his duties.

Section 27. It shall be unlawful for the mayor or for a member of the city council or school committee or for any officer or employee of the city directly or indirectly to make a contract with the city, or to receive any commission, discount, bonus, gift, contribution, or reward from or any share in the profits of any person or corporation making or performing such contract, unless the mayor, such member, officer or employee, immediately upon learning of the existence of such contract, or that such contract is pro-

posed, shall notify in writing the mayor, city council or school committee of the nature of his interest in such contract, and shall abstain from doing any official act on behalf of the city in reference thereto. In case of such interest on the part of an officer whose duty it is to sign such contract on behalf of the city, the contract may be signed by any other officer of the city duly authorized hereto by the mayor, or if the mayor has such interest by the city clerk: provided, however, that when a contractor with the city is a corporation or a voluntary stock association, the ownership of less than five per cent. of the stock or shares actually issued shall not be considered as involving an interest in the contract within the meaning of this section, and such ownership shall not affect the validity of the contract unless the owner of such stock or shares is also an officer or agent of the corporation or association, or solicits or takes part in the making of the contract.

A violation of any provision of this section shall render the contract in respect to which such violation occurs voidable at the option of the city. Any person violating the provisions of this section shall be punished by a fine of not more than one thousand dollars, or by imprisonment for not more than one year, or by both such fine and imprisonment.

Section 28. No contract for construction work, or for the purchase of apparatus, supplies or materials, whether the same shall be for repairs or original construction, the estimated cost of which amounts to or exceeds two hundred dollars, except in cases of special emergency involving the health or safety of the people or their property, shall be awarded unless proposals for the same shall have been invited by advertisements in at least one newspaper published in the city once a week for at least two consecutive weeks, the last publication to be at least one week before the time specified for the opening of said proposals. Such advertisements shall state the time and place where plans and specifications of proposed work or supplies may be had and the time and place for opening the proposals, in answer to said advertisements, and shall reserve to the city the right to reject any or all of such proposals. All such proposals shall be opened in public. No bill or contract shall be split or divided for the purpose of evading any provision of this act.

Section 29. All contracts made by any department, board or

commission in which the amount involved is two hundred dollars or more shall be in writing, and no such contract shall be deemed to have been made or executed until the approval of the mayor and of the department or board making the contract is affixed thereto. Any contract made as aforesaid may be required to be accompanied by a bond with sureties satisfactory to the board or official having the matter in charge, or by a deposit of money, certified check or other security for the faithful performance thereof, and such bonds or other securities shall be deposited with the city treasurer until the contract has been carried out in all respects; and no such contract shall be altered except by a written agreement of the contractor, the securities on his bond, and the officer, department or board making the contract, with the approval of the mayor affixed thereto.

Section 30. At the request of any department, and with the approval of the mayor and the city council, the city council or corresponding body may take in fee, in the name of the city, for any municipal purpose any land within the limits of the city not already appropriated to public use. Whenever the price proposed to be paid for a lot of land for any municipal purpose is more than twenty-five per cent. higher than its average assessed valuation during the previous three years, the land shall not be taken by purchase, but shall be taken by right of eminent domain and paid for in the manner provided for the taking of, and the payment of damages for, land taken for highways in the city concerned. No land shall be taken until an appropriation by loan or otherwise for the general purpose for which land is needed shall have been made by the mayor and city council, or corresponding body, by a two-thirds' vote of all its members; nor shall a price be paid in excess of the appropriation, unless a larger sum is awarded by a court of competent jurisdiction. All proceedings in the taking of land shall be under the advice of the law department, and a record thereof shall be kept by that department.

Section 31. The school committee shall consist of the mayor, who shall be the chairman, and six members who shall be elected at large. At the first annual city election held in any city after its adoption of one of the plans of government provided for in this act, there shall be elected two members to serve for one year, two

for two years and two for three years, and annually thereafter there shall be elected two members to serve for the term of three years.

Section 32. The school committee shall elect annually a superintendent of schools, and may, under the laws regulating the civil service, appoint, suspend or remove at pleasure such subordinate officers or assistants, including janitors of school buildings, as it may deem necessary for the proper discharge of its duties and the conduct of its business; it shall define their terms of service and their duties, and shall fix their compensation. No member of the school committee, except the mayor, shall, during the term for which he is elected, hold any other office or position the salary or compensation for which is payable out of the city treasury. The committee shall organize annually on the first Monday in January, and shall elect one of its members as vice-chairman, whose duty it shall be to preside at all meetings of the committee at which the mayor is not present.

Section 33. The school committee, in addition to the powers and duties pertaining by law to school committees, shall have power to provide, when they are necessary, temporary accommodations for school purposes, and shall have the control of all school buildings and of the grounds connected therewith, and the power to make all repairs, the expenditures for which are made from the regular appropriation for the school department, except as is otherwise provided herein. Nothing in this act shall be construed to amend, alter or repeal any special act fixing the amount that the school committee of any city may appropriate for school purposes, provided that such act has been submitted to the legal voters of the city and has been accepted by them within five years prior to the passage of this act.

Section 34. No site for a school building shall be acquired by the city unless the approval of the site by the school committee is first obtained. No plans for the construction of or alterations in a school building shall be accepted, and no work shall be begun on the construction or alteration of a school building, unless the approval of the school committee and the mayor therefor is first obtained. Nothing herein contained shall require such approval for the making of ordinary repairs.

Section 35. The school committee shall make all reasonable rules and regulations for the management of the public schools of

the city and for conducting the business of the committee, provided that such rules are not inconsistent with any laws of the commonwealth.

Section 36. All meetings of the school committee shall be open to the public, except that, when requested by not less than four members of the committee, any particular meeting shall be private. The vote on any particular measure shall be by call of the yeas and nays, when requested by not less than two members of the committee.

Section 37. If a vacancy occurs in the school committee by failure to elect, or otherwise, the city council and the remaining members of the school committee shall meet in joint convention and elect a suitable person to fill the vacancy until the next annual city election. The mayor, if present, shall preside at the convention.

Section 38. A petition meeting the requirements hereinafter provided and requesting the city council to pass an ordinance, resolution, order or vote, except an order granted under the provisions of chapter one hundred and twenty-two of the Revised Laws and sections one hundred and twenty-six and one hundred and twenty-seven of chapter seven hundred and forty-two of the acts of the year nineteen hundred and fourteen and acts in amendment thereof and in addition thereto, or requesting the school committee to pass a resolution, order or vote, all of these four terms being hereinafter included in the term "measure," therein set forth or designated, shall be termed an initiative petition, and shall be acted upon as hereinafter provided.

Section 39. Signatures to initiative petitions need not be all on one paper. All such papers pertaining to any one measure shall be fastened together and shall be filed in the office of the city clerk as one instrument, with the endorsement thereon of the names and addresses of three persons designated as filing the same. With each signature to the petition shall be stated the place of residence of the signer, giving the street and number, if any.

Within five days after the filing of said petition the registrars of voters shall ascertain by what number of registered voters the petition is signed, and what percentage that number is of the total number of registered voters, and shall attach thereto their certificate showing the result of such examination.

The city clerk shall forthwith transmit the said certificate with the said petition to the city council or to the school committee, accordingly as the petition is addressed, and at the same time shall send a copy of said certificate to one or more of the persons designated on the petition as filing the same.

Section 40. If an initiative petition be signed by registered voters equal in number, except as is provided in section forty-three of this act, to at least twenty per cent. of the whole number of registered voters, the city council or the school committee shall, within twenty days after the date of the certificate of the registrars of voters that the petition has been signed by the required percentage of registered voters, either—

1. Pass said measure without alteration, subject to the referendum vote provided by this act or,

2. The city council shall call a special election to be held on a Tuesday fixed by it not less than thirty nor more than forty-five days after the date of the certificate hereinbefore mentioned, and shall submit the proposed measure without alteration to a vote of the registered voters of the city at that election: provided, however, that if any city election is otherwise to occur within ninety days after the date of said certificate, the city council may, at its discretion, omit calling the special election and submit the proposed measure to the voters at such other previously pending election.

Section 41. If an initiative petition be signed by registered voters equal in number to at least eight per cent. but less than twenty per cent. of the total number of registered voters, and said measure be not passed without alteration within twenty days by the city council or the school committee, as provided in the preceding section, then such proposed measure, without alteration, shall be submitted by the city council to a vote of the registered voters of the city at the next annual city election.

Section 42. If within twenty days after the final passage of any measure by the city council or by the school committee, a petition signed by registered voters of the city, equal in number to at least twelve per cent. of the total number of registered voters, be presented to the city council or to the school committee, as the case may be, protesting against such measure or any part thereof

taking effect, the same shall thereupon and thereby be suspended from taking effect; and the city council or the school committee, as the case may be, shall immediately reconsider such measure or part thereof; and if such measure or part thereof be not entirely annulled, repealed or rescinded, the city council shall submit the same, by the method herein provided, to a vote of the qualified voters of the city, either at the next regular city election, or at a special election which may, in its discretion, be called for the purpose, and such measure or part thereof shall forthwith become null and void unless a majority of the qualified voters voting on the same at such election shall vote in favor thereof.

The petition provided for by this section shall be termed a referendum petition.

The procedure in respect to such referendum petition shall be the same as that provided by section forty of this act, except that the words "measure or part thereof protested against" shall for this purpose be understood to replace the word "measure" in that section wherever it may occur, and that the word "referendum" shall be understood to replace the word "initiative" in that section.

Section 43. For the purposes of this act, the number of registered women voters shall be taken into account in fixing the requisite number of signatures for initiative and referendum petitions for measures on which they have the right of voting.

Section 44. The city council may, of its own motion, and shall, upon request of the school committee in case of a measure originating with that committee and pertaining to the affairs under its administration, submit to a vote of the registered voters of the city for adoption or rejection at a general or special city election any proposed measure, or a proposition for the annulment, repeal or amendment of any measure, in the same manner and with the same force and effect as are hereby provided for submission on petition.

Section 45. If two or more proposed measures passed at the same election contain conflicting provisions, that one of said measures which received the larger number of affirmative votes shall take effect and the other shall be void.

Section 46. The ballots used when voting upon such proposed measures shall state the nature of the measure in terms sufficient to show the substance thereof. No measure shall go into effect

unless it receives the affirmative votes of at least a third of the whole number of registered voters.

Section 47. The provisions of this part shall, upon the adoption by any city of any of the plans of government hereinafter set forth, apply to the plan so adopted, except as is otherwise provided in such plan.

Part II.

PLAN A.

Government by Mayor and City Council Elected at Large.

* * * * *

Part III.

*PLAN B.

Government by Mayor and Council Elected by Districts and at Large.

Section 1. The method of city government provided for in this part shall be known as Plan B.

Section 2. Upon the adoption of Plan B by a city in the manner prescribed by this act, such plan shall become operative as provided in Part I hereof; and its powers of government shall be exercised as is prescribed herein and in Part I.

Section 3. There shall be a mayor, elected, by and from the qualified voters of the city, who shall be the chief executive officer of the city. He shall hold office for the term of two years from the first Monday in January following his election and until his successor is elected and qualified.

Section 4. The legislative powers of the city shall be vested in a city council. One of its members shall be elected by the council annually as its president. In cities having more than seven wards, the city council shall be composed of fifteen members, of whom one shall be elected from each ward by and from the qualified voters of that ward, and the remaining members shall be elected by and from the qualified voters of the city. In cities having seven wards or less, the city council shall be composed of eleven members, of whom one shall be elected from each ward by and from the quali-

fied voters of that ward, and the remaining members shall be elected by and from the qualified voters of the city.

At the first election held in a city after its adoption of Plan B, the councillors elected from each ward shall be elected to serve for one year, and those elected at large shall be elected to serve for two years, from the first Monday in January following their election and until their successors are elected and qualified; and at each annual city election thereafter the councillors elected to fill vacancies caused by the expiration of the terms of councillors shall be elected to serve for two years.

Section 5. All heads of departments and members of municipal boards, as their present terms of office expire, but excluding the school committee, officials appointed by the governor, and assessors where they are elected by vote of the people, shall be appointed by the mayor, subject to confirmation by the city council; but the city solicitor shall be appointed by the mayor, without confirmation by the city council.

Section 6. The mayor may, with the approval of a majority of the members of the city council, remove any head of a department or member of a board before the expiration of his term of office, except members of the school committee, officials appointed by the governor, and assessors where they are elected by vote of the people. The person so removed shall receive a copy of the reasons for his removal, and he may, if he desires, contest the same before the city council. He shall have the right to be represented by counsel at such hearing.

Section 7. The mayor shall receive for his services such salary as the city council by ordinance shall determine, not exceeding five thousand dollars a year, and he shall receive no other compensation from the city. His salary shall not be increased or diminished during the term for which he is elected.

The council may, by a two-thirds vote of all its members, taken by call of the yeas and nays, establish a salary for its members not exceeding five hundred dollars each year. Such salary may be reduced, but no increase therein shall be made to take effect during the year in which the increase is voted.

Section 8. Every order, ordinance, resolution and vote relative to the affairs of the city, adopted or passed by the city council, shall be presented to the mayor for his approval. If he approves

it he shall sign it; if he disapproves it he shall return it, with his objections in writing, to the city council, which shall enter the objections at large on its records, and again consider it. If the city council, notwithstanding such disapproval of the mayor, shall again pass such order, ordinance, resolution or vote by a two-thirds vote of all the members of the city council, it shall then be in force, but such vote shall not be taken for seven days after its return to the city council. Every such order, ordinance, resolution and vote shall be in force if it is not returned by the mayor within ten days after it has been presented to him. Nothing in this section contained shall be construed as superseding or in any way affecting any provision of chapter seven hundred and nineteen of the acts of the year nineteen hundred and thirteen.

*Plan B was accepted by the voters of Cambridge at the State Election held on Nov. 2, 1915. Yes, 6,768; No, 4,842; Blank, 2,446.

Part IV.

PLAN C.

Commission Form of Government.

Part V.

PLAN D.

Mayor, City Council and City Manager.

[Approved May 20, 1915.]

APPENDIX

ORDINANCES

PASSED BETWEEN APRIL 1, 1914, AND APRIL 1, 1915, AND AMENDMENTS TO STANDING REGULATIONS OF BOARD OF ALDERMEN

In the Year One Thousand Nine Hundred and Fourteen

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED
"CONSTRUCTION, MAINTENANCE AND INSPECTION OF BUILDINGS"

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 13, of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended in Section 9 thereof under the heading, "Fire Limits," in the paragraph relating to the first district by adding at the end thereof the following:

"Except that the foregoing requirements shall not refer to the south side of Massachusetts Avenue between Magoun Street and the Arlington Line."

As amended the said paragraph relating to the first district will read as follows:

"First: Starting from the westerly end of Harvard Bridge and Massachusetts Avenue and running continuously therefrom on both sides of Massachusetts Avenue, including Lafayette, Central, Putnam, Quincy and Harvard Squares, and within the area included between the city building lines, wherever established on said Massachusetts Avenue and squares, and where such building lines are not established within the area included between the lines of private ownership, adjacent to the lines of said Massachusetts Avenue and squares, and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Massachusetts Avenue, on all sides of said squares between the westerly end of Harvard Bridge to the Arlington Line, except that the foregoing requirements shall not refer to the south side of Massachusetts Avenue, between Magoun Street and the Arlington Line. [Approved April 16, 1914.]

In the Year One Thousand Nine Hundred and Fourteen

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED
"DUTIES AND SALARIES"

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30 of Chapter 28 of the Revised Ordinances of 1892 as amended to November 8, 1899, and as further amended at sundry times, is hereby amended relative to the Sealer of Weights and Measures and Deputy Sealers of Weights and Measures so as to read as follows:

Sealer of Weights and Measures, thirteen hundred dollars (\$1300.00) per year.

Deputy Sealer of Weights and Measures and Assistant Inspector, eleven hundred dollars (\$1100.00) per year.

Two Deputy Sealers of Weights and Measures, one thousand dollars each (\$1000.00) per year.

Assistant Deputy Sealers of Weights and Measures, each at the rate of seven hundred and eighty dollars (\$780) per year.

[*Approved July 8, 1914.*]

In the Year One Thousand Nine Hundred and Fourteen

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED
"SEALERS OF WEIGHTS AND MEASURES"

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 22 of the Revised Ordinances of 1892 as amended to November 8, 1899, and further amended to October 24, 1907, is hereby amended so that the chapter will read as follows:

Section 1. The Sealers of Weights and Measures Department shall be under the charge of the Sealer of Weights and Measures. The department shall consist of a Sealer of Weights and Measures, one Deputy Sealer of Weights and Measures, who shall act as inspector, and two Deputy Sealers of Weights and Measures, with such assistant deputy sealers as the department may from time to time require,—who shall hold their respective offices for the term of one year from the first day of April in the year of their appointment, subject to removal at any time by the Mayor and Aldermen.

The Sealer of Weights and Measures shall have general control and supervision of all the public scales in the city, and in case of his absence or inability to perform his duties from any cause, a deputy sealer shall exercise said duties. Annually in the month of April he shall make a full report of all matters pertaining to his department, with an inventory of all property of the city in his charge. [*Approved July 8, 1914.*]

In the Year One Thousand Nine Hundred and Fourteen

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED
"DUTIES AND SALARIES," RELATIVE TO THE SALARY OF THE
COMMISSIONER OF BRIDGES

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30 of Chapter 28 of the Revised Ordinances of 1892 as amended to Nov. 8, 1899, is hereby further amended as follows:

In the line relating to the salary of the Commissioner of Bridges, by striking out the figures 700 and inserting in place thereof the figures 1,000.00. [*Approved October 1, 1914.*]

In the Year One Thousand Nine Hundred and Fourteen

AN ORDINANCE IN RELATION TO THE CONSTRUCTION, MAINTENANCE
AND INSPECTION OF BUILDINGS

Be it ordained by the City Council of the City of Cambridge as follows:

An ordinance entitled "An Ordinance in Relation to the Construction, Maintenance and Inspection of Buildings" is hereby amended as follows:

In Section 1 in the sixth paragraph, by striking out all of said paragraph and inserting in place thereof the following:

"Permits for the construction, alteration, removal or tearing down of buildings or other structures, and for the installation of plumbing, and for gas fitting, and for the setting and maintenance of steam boilers and furnaces shall be granted only by the Superintendent of Public Buildings upon the application in writing, on forms furnished by him and filed with him in conformity with law."

By adding at the end of said section the following:

“There shall be charged for all permits issued by the Superintendent of Public Buildings the following fees :

First-class buildings	\$15.00
Second-class buildings	10.00
Third-class buildings	5.00
Alterations and additions to cost less than \$300..	1.00
Alterations and additions to cost over \$300	3.00
Taking down buildings	3.00
Boilers, engines, etc.	1.00
New plumbing	3.00
Alterations in plumbing	1.00
New gas fitting	1.00
Alterations in gas fitting .....	.25
Installations of elevators	3.00

“Fees for permits for sheds, private garages and like small buildings and for preliminary permits for driving piles and for concrete foundations will be determined in the discretion of the superintendent.

“Application for plumbing and gas fitting of buildings in process of erection must be filed in person and accompanied by fee.”
[Approved Dec. 4, 1914.]

In the Year One Thousand Nine Hundred and Fourteen

AN ORDINANCE RELATIVE TO THE ESTABLISHMENT OF A FREE
EMPLOYMENT OFFICE

Be it ordained by the City Council of the City of Cambridge as follows:

Section 1. There shall be established and maintained, under the care and direction of the Mayor, an employment office for the purpose of bringing together those who seek employment and those who desire to employ.

Sect. 2. The Mayor shall appoint for the office provided for in the preceding section, subject to confirmation by the Board of Aldermen, a superintendent who shall, under the direction of the Mayor, perform the duties hereinafter set forth, or such as he may require. The term of office shall be for one year from time of appointment. The superintendent may also appoint such clerks as he may deem necessary for the proper conduct of the business of said employment

office. The location of the office established under the provisions of this ordinance shall be plainly indicated by a proper sign or signs.

Sect. 3. The superintendent of said employment office shall receive applications from those seeking employment and from those desiring to employ, and shall register them in such manner as may be prescribed by the Mayor, and shall take such other action as the Mayor may deem best to promote the purposes of said office.

Sect. 4. In registering applications for employment and for employees wanted, preference shall be given to residents of Cambridge.

Sect. 5. The superintendent shall make to the Mayor such reports of applications for labor or employment and of other details of the work of his office as the Mayor may require. The superintendent shall cause reports showing the business of the office to be prepared at regular intervals, and shall supply them to the newspapers and to citizens upon request; and the superintendent shall cause such reports to be posted in a conspicuous place in the office so that they may be open to the public inspection.

Sect. 6. There shall be allowed and paid out of the treasury of the city, upon the approval of the Mayor, for salaries and for contingent expenses in connection with the establishment and maintenance of the free employment office as herein provided for such sum as the city government may annually appropriate therefor. [*Approved Dec. 17, 1914.*]

In the Year One Thousand Nine Hundred and Fourteen

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED
"DUTIES AND SALARIES"

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30 of Chapter 28 of the Revised Ordinances of 1892 as amended to November 8, 1899, is hereby amended in the line relating to the salary of the City Messenger by striking out the figures \$1400 and substituting in place thereof the figures \$1800.

As amended this line will read: City Messenger, \$1800
[*Approved Dec. 10, 1914.*]

In the Year One Thousand Nine Hundred and Fourteen

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED
"DUTIES AND SALARIES"

Be it enacted by the City Council of the City of Cambridge as follows:

Section 30 of Chapter 28 of the Revised Ordinances of 1892 as amended to November 8, 1899, is hereby further amended in the line relating to Assessors by striking out the figures \$2000.00 and inserting in place thereof the figures \$2500.00.

As amended said line will read as follows: Assessors, each \$2500.00. [*Approved Dec. 10, 1914.*]

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED
"STREET"

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 25 of the Revised Ordinances of 1892 as amended to November 8, 1899, is hereby amended in the following sections, to wit:

Section 2, by adding at the end thereof the following:

"He shall have control of the collection, carrying away, sale and disposal of house offal and shall have authority to make rules and regulations in relation thereto not inconsistent with any ordinance now in force or that may be hereafter ordained.

He shall also have charge of the horses, carts, sheds, buildings and all apparatus now used or hereafter to be used in connection with the collection, carrying away, sale and disposal of house offal."

Section 28, by adding at the end thereof the following:

"Whoever desires the removal of house offal shall cause the same to be put in suitable receptacles, satisfactory to the Board of Health, and said receptacles must be kept in some convenient place on the premises of the owner so as to be easily reached by the collectors.

Only garbage, table waste, vegetables, meats, fruits, fish, bones, fat and similar things will be allowed in such receptacles." [*Approved Feb. 4, 1915.*]

MAYORS OF THE CITY OF CAMBRIDGE

(From 1846 to 1915 inclusive)

James D. Green	.....	From May,	1846,	to April,	1848
Sydney Willard	.....	"	April,	1848,	to April, 1851
George Stevens	.....	"	April,	1851,	to April, 1853
James D. Green	.....	"	April,	1853,	to April, 1854
*Abraham Edwards	.....	"	April,	1854,	to January, 1855
Zebina L. Raymond	.....	"	January,	1855,	to January, 1856
John Sargent	.....	"	January,	1856,	to January, 1860
†James D. Green	.....	"	January,	1860,	to July 24, 1861
§Charles Theo Russell	.....	"	July 31,	1861,	to January, 1863
George C. Richardson	.....	"	January,	1863,	to January, 1864
Zebina L. Raymond	.....	"	January,	1864,	to January, 1865
J. Warren Merrill	.....	"	January,	1865,	to January, 1867
Ezra Pamenter	.....	"	January,	1867,	to January, 1868
Charles H. Saunders	.....	"	January,	1868,	to January, 1870
Hamlin R. Harding	.....	"	January,	1870,	to January, 1872
Henry O. Houghton	.....	"	January,	1872,	to January, 1873
Isaac Bradford	.....	"	January,	1873,	to January, 1877
Frank A. Allen	.....	"	January,	1877,	to January, 1878
Samuel L. Montague	.....	"	January,	1878,	to January, 1880
James M. W. Hall	.....	"	January,	1880,	to January, 1881
James A. Fox	.....	"	January,	1881,	to January, 1885
William E. Russell	.....	"	January,	1885,	to January, 1889
Henry H. Gilmore	.....	"	January,	1889,	to January, 1891
Alpheus B. Alger	.....	"	January,	1891,	to January, 1893
William A. Bancroft	.....	"	January,	1893,	to January, 1897
Alvin F. Sortwell	.....	"	January,	1897,	to January, 1899
Edgar R. Champlin	.....	"	January,	1899,	to January, 1901
David T. Dickinson	.....	"	January,	1901,	to January, 1902
John H. H. McNamee	.....	"	January,	1902,	to January, 1904
Augustine J. Daly	.....	"	January,	1904,	to January, 1906
Charles H. Thurston	.....	"	January,	1906,	to January, 1907
*Walter C. Wardwell	.....	"	January,	1907,	to April, 1909
William F. Brooks	.....	"	April,	1909,	to April, 1911
J. Edward Barry	.....	"	April,	1911,	to April, 1914
Timothy W. Good	.....	"	April,	1914,	to

*Municipal year changed. †Resigned. §First elected by the City Council.

PRESIDENTS OF THE BOARD OF ALDERMEN

1888	Edward W. Hincks	1903	*John W. Coveney
1889	John H. Corcoran	1903	Timothy W. Good
1890	Alvin F. Sortwell	1904	John W. Coveney
1891	William A. Bancroft	1905	J. Edward Barry
1892	William A. Bancroft	1906	Charles H. Lake
1893	John F. Fairbairn	1907	Charles H. Lake
1894	John G. Thorogood	1908	Edward B. James
1895	John R. Fairbairn	1909	Edward B. James
1896	John R. Fairbairn	1910	Edward B. James
1897	Russell Bradford	1911	James T. Barrett
1898	Russell Bradford	1912	James T. Barrett
1899	Walter C. Wardwell	1913	Peter J. Nelligan
1900	Walter C. Wardwell	1914	Peter J. Nelligan
1901	George E. Saunders	1915	Peter J. Nelligan
1902	James F. Aylward		

*John W. Coveney resigned March 10, 1903, and Timothy W. Good elected to the vacancy.

PRESIDENTS OF THE COMMON COUNCIL

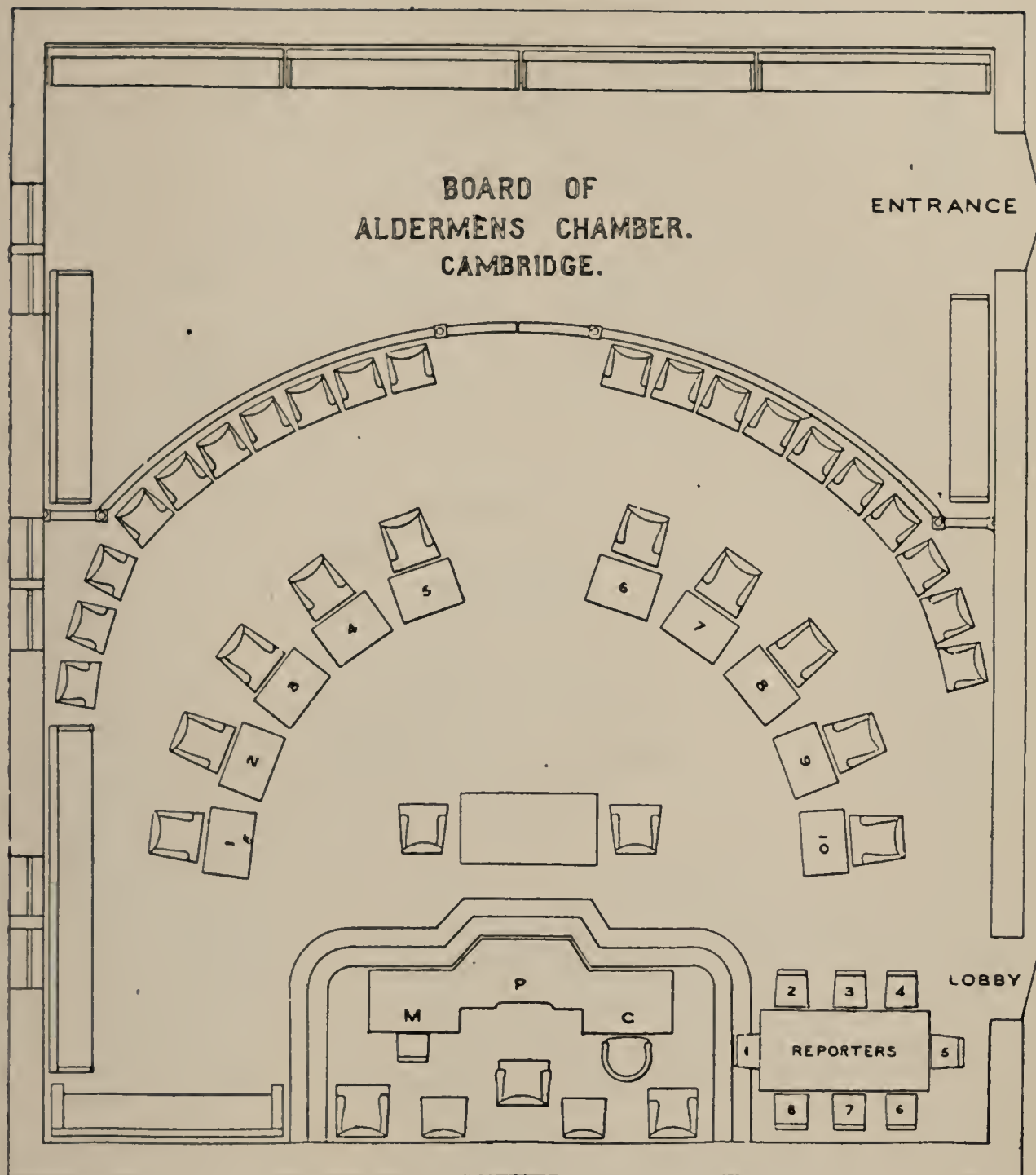
1846	*Isaac Livermore	1875	George F. Piper
1847	*John Sargent	1876	Frank A. Allen
1848	*John C. Dodge	1877	*Perez G. Porter
1849	*Samuel P. Heywood	1878	*George S. Saunders
1850	*Samuel P. Heywood	1879	*George S. Saunders
1851	*John S. Ladd	1880	*Charles Walker
1852	*John Sargent	1881	*Charles Walker
1853	*John Sargent	1882	George H. Howard
1854	*John C. Dodge	1883	George H. Howard
1855	*Alanson Bigelow	1884	George H. Howard
1856	*Ezra Ripley. Resigned January 31	1885	Cornelius G. H. Bennink
1856	*George S. Saunders Elected January 31	1886	John H. Corcoran
1857	*George S. Saunders	1887	John H. Corcoran
1858	*James C. Fisk	1888	*Alvin F. Sortwell
1859	*James C. Fisk	1889	*Edward A. Bingham
1860	*Hamlin R. Harding	1890	*Edward A. Bingham
1861	*Hamlin R. Harding	1891	Edward C. Wheeler
1862	*Jared Shepard. Resigned September 17	1892	Herbert A. Chase
1862	*Knowlton S. Chaffee Elected September 24	1893	J. Henry Russell
1863	*George S. Saunders	1894	Charles M. Conant
1864	*George S. Saunders	1895	*John L. Odiorne
1865	*John S. March	1896	*John L. Odiorne
1866	*John S. March	1897	Albert S. Apsey
1867	*Marshall T. Bigelow	1898	George S. Saunders
1868	*Knowlton S. Chaffee Resigned February 4	1899	William F. Brooks
1868	*Henry W. Muzzey Elected February 4	1900	John D. Merrill
1869	*Henry W. Muzzey	1901	John D. Merrill
		1902	*Thorndike Spalding
		1903	Edward E. Clark
		1904	Harry N. Stearns
		1905	George A. Giles
		1906	George A. Giles
		1907	*Henry C. Stetson

1870 *Joseph H. Converse
1871 *Joseph H. Converse
1872 *Alvaro Blodgett
1873 *Alvaro Blodgett
Resigned June 17
1873 Francis H. Whitman
Elected June 17
1874 George F. Piper

1907 †Robert W. Hunter
1908 Henry J. Winslow
1909 Jesse W. Moreland
1910 Irving N. Linnell
1911 Frederick H. Burke
1912 Timothy J. Horan
1913 John H. Lynch
1914 Frank J. Lehan
1915 Arthur S. Browne

*Deceased.

†Elected to fill vacancy.



**KEY TO
Board of Aldermen's Chamber
Cambridge
1915**

P—PETER J. NELLIGAN, *President.*

1. Alderman Wentworth
2. " Desmond
3. " Clary
4. " Kelleher
5. " Stephens

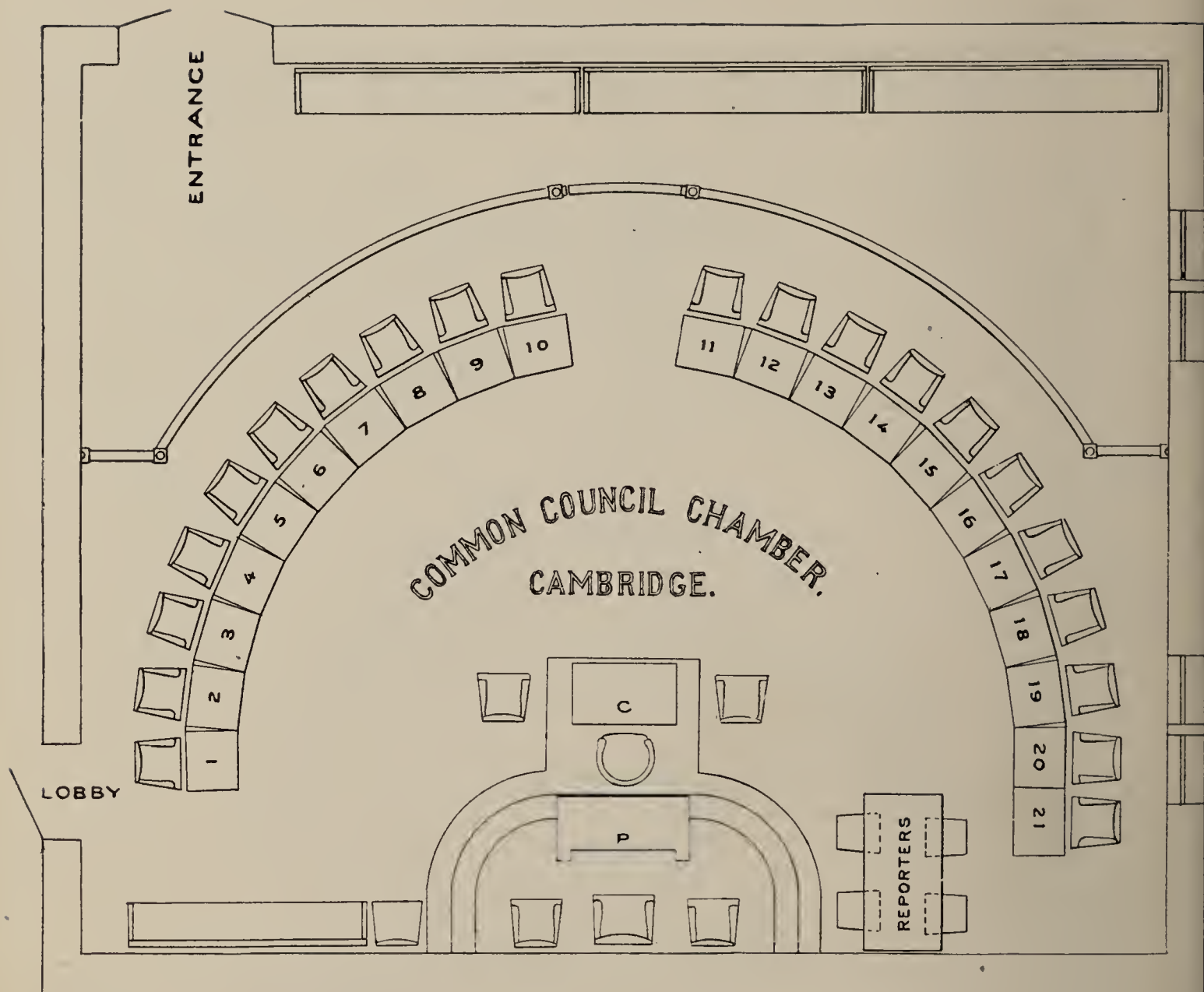
6. Alderman Kennedy
7. " Dunphy
8. " McCarthy
9. " Corcoran
10. " Reed

C—Edward J. Brandon, *City Clerk*

M—A. Frank Montgomery, *City Messenger*

Reporters

- | | |
|--|--|
| 1. James W. Bean, Boston Globe and Cambridge Chronicle | 4. Alfred Cullis, Boston Post. |
| 2. J. Lee Robinson, Cambridge Tribune | 5. George P. Morey, Cambridge Times |
| 3. Harry J. Mahoney, Cambridge Sentinel | 6. Edw. J. Sennott, Cambridge Recorder |
| | 7. T. M. B. Hicks, Jr., Cambridge Standard |



**KEY TO
Common Council Chamber
Cambridge
1915**

P—ARTHUR S. BROWNE, *President.*

1. Councilman Lehan	12. Councilman Cunningham
2. " McNamara	13. " Clark
3. " C. D. Crowley	14. " Stratton
4. " Bradbury	15. " Skilton
5. " Shea	16. " Durant
6. " Gonyou	17. " McMenimen
7. " Skinner	18. " J. H. Kelleher
8. " Leland	19. " Foley
9. " Wright	20. " D. P. Kelleher
10. " Whalen	21. " Lynch
11. " J. L. Crowley	

C—Edward A. Counihan, *Clerk*

George T. Dooley, *Page*

Reporters

- | | |
|---|---|
| 1. Charles F. Manning, Boston Globe and Cambridge Chronicle | 4. Edward T. Sennott, Cambridge Recorder |
| 2. Raymond M. Litchfield, Cambridge Tribune | 5. John J. Kelley, Cambridge Sentinel |
| 3. George P. Morey, Cambridge Times | 6. Proctor P. Lincoln, Cambridge Standard |

CITY GOVERNMENT

Mayor

TIMOTHY W. GOOD, 20 Forest Street

Board of Aldermen

President

PETER J. NELLIGAN

Oliver D. Clary . . .	103	Otis Street . . .	Ward	2
David F. Corcoran . . .	67	Dana Street . . .	"	8
William T. Desmond . . .	24	Fayette Street . . .	"	5
Edward J. Dunphy . . .	68	Richdale Avenue . . .	"	10
John A. Kelleher . . .	1713	Massachusetts Ave. . .	"	11
Thomas E. Kennedy . . .	182	Appleton Street . . .	"	9
John J. McCarthy . . .	31	Putnam Avenue . . .	"	8
Peter J. Nelligan . . .	23	Rindge Avenue . . .	"	11
Joseph J. Reed . . .	25	Hunting Street . . .	"	3
George Stephens . . .	10	Traymore Street . . .	"	10
Charles E. Wentworth . . .	397	Putnam Avenue . . .	"	7

Clerk

EDWARD J. BRANDON

Messenger

A. FRANK MONTGOMERY

Regular meetings on Tuesday evenings at 8 o'clock.

Common Council

President

ARTHUR S. BROWNE

Harold M. Bradbury .	276	Pearl Street .	Ward 6
Arthur S. Browne .	302	Harvard Street .	" 5
Wilfred L. Clark .	9	Sumner Road .	" 8
Cornelius D. Crowley .	67	Moore Street .	" 4
John L. Crowley .	203	Cambridge Street .	" 1
James M. Cunningham .	1802	Massachusetts Ave. .	" 10
Henry W. Durant .	9	Lowell Street .	" 9
John J. Foley .	2472	Massachusetts Ave. .	" 11
Everett L. Gonyou .	92	Henry Street .	" 6
Dennis P. Kelleher .	49	Webster Avenue .	" 4
James H. Kelleher .	25	Sixth Street .	" 2
Frank J. Lehan .	75	Thorndike Street .	" 1
Edmund H. Leland .	10	Florence Street .	" 7
William J. Lynch .	55	Cedar Street .	" 11
William R. McMenimen .	108	Spring Street .	" 2
Thomas F. McNamara .	130	Willow Street .	" 3
Charles H. Shea .	65	Putnam Avenue .	" 8
Horace A. Skilton .	15	Linnaean Street .	" 10
Francis R. Skinner .	7	Story Street .	" 9
Ralph R. Stratton .	1433	Cambridge Street .	" 5
James F. Whalen .	356	Windsor Street .	" 3
Franklin H. Wright .	40	Magee Street .	" 7

Clerk

EDWARD A. COUNIHAN

Page

GEORGE T. DOOLEY

Regular meetings on Tuesday evenings at 8 o'clock.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL

Accounts. Aldermen Stephens and Kennedy; Councilmen Leland, Gonyou and Lehan.

Assessors' Department. Alderman Reed; Councilmen Leland and Foley.

City Engineering. Aldermen Clary and McCarthy; Councilmen Gonyou, McNamara and Shea.

City Home. Aldermen Kelleher and Clary; Councilmen Skinner, C. D. Crowley and J. H. Kelleher.

Claims. President Nelligan, Aldermen Reed, Dunphy and Corcoran; President Browne, Councilmen Cunningham, Skinner, Foley, Gonyou and Whalen.

Finance. President Nelligan, Aldermen Kelleher, McCarthy and Clary; President Browne, Councilmen Bradbury, Durant, Lehan, C. D. Crowley and Lynch.

Public Safety. Aldermen Kennedy, Reed and Corcoran; President Browne, Councilmen Stratton and Lehan.

Health. Aldermen Reed and Wentworth; Councilmen Skilton, Wright and D. P. Kelleher

Highways. Aldermen McCarthy, Kelleher and Stephens; Councilmen Stratton, Cunningham, McNamara and Shea.

Legal Matters. Aldermen Kelleher and Clary; Councilmen Durant, Cunningham and J. H. Kelleher.

Legislative Matters. President Nelligan, Aldermen Reed, Clary and Wentworth; President Browne, Councilmen Gonyou, Stratton, Lehan, D. P. Kelleher and Foley.

Ordinances. Aldermen Corcoran and Dunphy; President Browne, Councilmen Skinner and J. H. Kelleher.

Parks. Aldermen Kelleher and Stephens; Councilmen Bradbury, Clark, McNamara.

Printing. Aldermen Stephens and Reed; Councilmen Skinner, Wright and Shea.

Public Instruction. Aldermen Wentworth and Kennedy; Councilmen Cunningham, Clark and Lehan.

Public Property. Aldermen Corcoran and Dunphy; Councilmen Leland, Skilton, D. P. Kelleher.

Rules and Orders. Aldermen McCarthy and Desmond; Councilmen Wright, Whalen, D. P. Kelleher.

Water Supply. Aldermen Corcoran and Kelleher; Councilmen Bradbury, Skilton and Lynch.

Wires and Lamps. Aldermen Dunphy and Reed; Councilmen Wright, Clark and Lynch.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN

Bonds. Aldermen Reed, Kennedy and Stephens.

Cemeteries. President Nelligan, Aldermen Corcoran and Kelleher.

Claims. President Nelligan, Aldermen Reed, Dunphy and Corcoran.

Elections and Returns. Aldermen McCarthy, Wentworth and Corcoran.

Health. Aldermen Reed, Wentworth and McCarthy.

Highways. Aldermen McCarthy, Kelleher and Stephens.

Licenses. Aldermen Kennedy, Desmond and Wentworth.

Parks. Aldermen Kelleher, Stephens and Corcoran.

Rules and Orders. Aldermen McCarthy, Desmond and Dunphy.

Sewers. Aldermen Dunphy, Kelleher and Desmond.

Soldiers' Aid. President Nelligan, Aldermen Corcoran, Stephens, Dunphy and Wentworth.

Street Railways. Aldermen Desmond, Kennedy and McCarthy.

STANDING COMMITTEES OF THE COMMON COUNCIL

Rules and Orders. Councilmen Stratton, Durant and Lehan.

Elections and Returns. Councilmen Gonyou, C. D. Crowley and Shea.

Bills in Second Reading. Councilmen Skilton, McNamara and Whalen.

Enrolled Ordinances. President Browne, Councilmen Clark and McNamara.

JOINT SPECIAL COMMITTEES

Matters Referred from Last City Council. Aldermen Clary and McCarthy; Councilmen Skinner, Leland, C. D. Crowley and Foley.

Mayor's Inaugural Address. Aldermen Reed and Wentworth; Councilmen Durant, Skilton, McMenimen and Lynch.

Resolutions on Death of John McDuffie. Aldermen Clary and Reed; Councilmen Stratton, Gonyou and Whalen.

To Consider Salaries of Various City Employees. Aldermen Kelleher and Corcoran; Councilmen Bradbury, Skilton and Lehan.

Independence Day. Aldermen Clary, McCarthy and Kennedy; Councilmen Leland, Skinner, McMenimen and J. L. Crowley.

SPECIAL COMMITTEES OF ALDERMEN

Better Car Service on Huron Avenue. Aldermen Kennedy and Clary.

Matters Referred from Last Board of Aldermen. Aldermen Corcoran and Desmond.

SPECIAL COMMITTEE OF COMMON COUNCIL

To Investigate \$15,000 Appropriation for City Home. Councilmen Skinner, Whalen, Cunningham and Foley.

COMMITTEE APPOINTMENTS OF MEMBERS OF THE BOARD OF ALDERMEN

Alderman President Nelligan. Claims, Finance, Legislative Matters, Cemeteries, Soldiers' Aid.

Alderman Clary. City Engineering, City Home, Finance, Legal Matters, Legislative Matters, Better Car Service on Huron Avenue, Resolutions on Death of John McDuffie, Matters Referred (Joint), Independence Day.

Alderman Corcoran. Claims, Public Safety, Ordinances, Public Property, Water Supply, Cemeteries, Parks (of Aldermen), Soldiers' Aid, Special Committee to Consider Salaries of Various City Employees, Matters Referred (Aldermen).

Alderman Desmond. Rules and Orders (Joint and of Aldermen), Licenses, Sewers, Street Railways, Matters Referred (Aldermen).

Alderman Dunphy. Claims, Ordinances, Public Property, Wires and Lamps, Sewers, Soldiers' Aid, Rules and Orders (Aldermen).

Alderman Kelleher. City Home, Finance, Highways (Joint and of Aldermen), Legal Matters, Parks (Joint and Aldermen), Water Supply, Special Committee to Consider Salaries of Various City Employees, Cemeteries, Sewers.

Alderman Kennedy. Accounts, Public Safety, Public Instruction, Bonds, Licenses, Street Railways, Better Car Service on Huron Avenue, Independence Day.

Alderman McCarthy. City Engineering, Finance, Highways (Joint and of Aldermen), Rules and Orders (Joint and of Aldermen), Elections and Returns, Health (of Aldermen), Street Railways, Matters Referred (Joint), Independence Day.

Alderman Reed. Assessors' Department, Claims, Public Safety, Health (Joint and of Aldermen), Legislative Matters, Printing, Wires and Lamps, Bonds, Mayor's Inaugural Address, Resolutions on the Death of John McDuffie.

Alderman Stephens. Accounts, Highways (Joint and of Aldermen), Parks (Joint and of Aldermen), Printing, Bonds, Soldiers' Aid.

Alderman Wentworth. Health (Joint and of Alderman), Legislative Matters, Public Instruction, Elections and Returns, Licenses, Soldiers' Aid, Mayor's Inaugural Address.

COMMITTEE APPOINTMENTS OF MEMBERS OF THE COMMON COUNCIL

N. B.—Councilmen J. L. Crowley and McMenimen resigned from all regular Committee appointments.

Councilman President Browne. Claims, Finance, Public Safety, Legislative Matters, Ordinances, Enrolled Ordinances.

Councilman Bradbury. Finance, Parks, Water Supply, Special Committee to Consider Salaries of Various City Employees.

Councilman Clark. Parks, Public Instruction, Wires and Lamps, Enrolled Ordinances.

Councilman C. D. Crowley. City Home, Finance, Matters Referred (Joint), Elections and Returns.

Councilman J. L. Crowley. Independence Day.

Councilman Cunningham. Claims, Highways, Legal Matters, Public Instruction, Special Committee to Investigate \$15,000 Appropriation for City Home.

Councilman Durant. Finance, Legal Matters, Rules and Orders, Mayor's Inaugural Address.

Councilman Foley. Assessors' Department, Legislative Matters, Special Committee to Investigate \$15,000 Appropriation for City Homes, Claims, Matters Referred (Joint).

Councilman Gonyou. Accounts, City Engineering, Legislative Matters, Elections and Returns, Resolutions on the Death of John McDuffie, Claims.

Councilman D. P. Kelleher. Health, Public Property, Rules and Orders, Legislative Matters.

Councilman J. H. Kelleher. City Home, Legal Matters, Ordinances.

Councilman Lehan. Accounts, Finance, Public Safety, Legislative Matters, Rules and Orders, Special Committee to Consider Salaries of Various City Employees, Public Institutions.

Councilman Leland. Accounts, Assessors' Department, Public Property, Water Supply, Matters Referred (Joint), Independence Day.

Councilman Lynch. Finance, Water Supply, Wires and Lamps, Mayor's Inaugural Address.

Councilman McMenimen. Mayor's Inaugural Address, Independence Day.

Councilman McNamara. Highways, Parks, Bills in Second Reading, City Engineering, Enrolled Ordinances.

Councilman Shea. City Engineering, Highways, Printing, Elections and Returns.

Councilman Skilton. Health, Public Property, Bills in Second Reading, Mayor's Inaugural Address, Special Committee to Consider Salaries of Various City Employees, Water Supply.

Councilman Skinner. City Home, Claims, Ordinances, Printing, Special Committee to Investigate \$15,000 Appropriation for City Home, Matters Referred (Joint), Independence Day.

Councilman Stratton. Public Safety, Highways, Legislative Matters, Rules and Orders, Resolutions on Death of John McDuffie.

Councilman Whalen. Rules and Orders, Bills in Second Reading, Resolutions on Death of John McDuffie, Special Committee to Investigate \$15,000 Appropriation for City Home, Claims.

Councilman Wright. Health, Printing, Rules and Orders, Wires and Lamps.

DEPARTMENTS AND BOARDS

EXECUTIVE DEPARTMENT

TIMOTHY W. GOOD *Mayor*
Edward A. Counihan *Mayor's Clerk*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 17 and 18, City Hall. Telephone 463.

CITY CLERK DEPARTMENT

EDWARD J. BRANDON *City Clerk*
Thomas J. Conrick *Assistant City Clerk*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 8 and 9, City Hall. Telephone 419.

TREASURY DEPARTMENT

HENRY F. LEHAN *City Treasurer and Collector of Taxes*
Office Hours: 8 A. M. to 2 P. M.
Office, Rooms 3 and 4, City Hall. Telephone 602.

AUDITING DEPARTMENT

CHARLES H. THURSTON *City Auditor*
Office Hours: 8 A. M. to 2 P. M.
Office, Rooms 1 and 2, City Hall. Telephone 1001.

CLERK OF COMMITTEES DEPARTMENT

DANIEL J. TOOMEY *Clerk of Committees*
Edward F. Sullivan *Assistant*
Office Hours: 8 A. M. to 4 P. M.
Office, Room 16, City Hall. Telephone 818.

CITY MESSENGER DEPARTMENT

A. FRANK MONTGOMERY . . . *City Messenger*
 George T. Dooley . . . *Assistant*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 20, City Hall. Telephone 1900.

LAW DEPARTMENT

JAMES F. AYLWARD . . . *City Solicitor*

Office Hours (at City Hall): 8 A. M. to 12 M.

Office, Room 17, City Hall. Telephone 463.

Boston Office, 542 Tremont Building. Telephone 168, Haymarket.

ENGINEERING DEPARTMENT

LEWIS M. HASTINGS . . . *City Engineer*

Thomas P. O'Neil . . . *Superintendent of Sewers*

Office Hours: 8 A. M. to 5 P. M.

Office, Rooms 30 and 31, City Hall. Telephone 471.

INSPECTION, ETC., OF BUILDINGS DEPARTMENT

JEREMIAH F. DOWNEY,

Superintendent of Public Buildings and Inspector of Buildings

Leonard D. Garfield {

William J. O'Connor {

Assistant Inspectors

William A. Ford . . .

Inspector of Plumbing

Robert M. Welch . . .

Inspector

William J. Stanger . . .

Gas Inspector

William H. Sheridan . . .

Clerk

Office Hours: 8 A. M. to 4 P. M.

Office, Room 28, City Hall. Telephone 125.

STREET DEPARTMENT

JEREMIAH CORKERY . . . *Superintendent of Streets*

JOHN H. HOLT . . . *Clerk*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 12, City Hall. Telephone 4760.

HEALTH DEPARTMENT—BOARD OF HEALTH

DR. GEORGE A. WHITE . . .	<i>Chairman</i>
Term; three years	
GEORGE A. WHITE . . .	Term expires 1916
ELIE H. LA PIERRE . . .	Term expires 1917
JEREMIAH S. SULLIVAN . . .	Term expires 1918
BRADFORD H. PEIRCE, M.D. . .	<i>Medical Inspector</i>
KITTIE L. MAGOUN . . .	<i>Secretary</i>
JOHN D. CROWLEY . . .	<i>Clerk</i>
WALTER C. FEELEY, M.D. . .	<i>Bacteriologist</i>
WILLIAM A. NOONAN, M.D. . .	<i>Inspector of Milk</i>
JOSEPH L. JOHNSON . . .	<i>Inspector of Provisions</i>

Office Hours: 8 A. M. to 4 P. M.

Rooms 25 and 26, City Hall. Telephone 345.

PUBLIC SAFETY DEPARTMENT

HENRY J. CUNNINGHAM . . .	<i>Commissioner</i>
MANUEL ANDREW . . .	<i>Secretary</i>
JOHN F. MURRAY . . .	<i>Acting Chief of Police.</i>
	<i>Division</i>
NATHANIEL W. BUNKER . . .	<i>Chief of Fire Division</i>
JAMES M. CASEY . . .	<i>Deputy Chief</i>

Office Hours: 8 A. M. to 4 P. M.

Office, Room 23, City Hall. Telephone 4813.

ASSESSORS' DEPARTMENT

JAMES J. CASEY . . .	<i>Chairman</i>
BERNARD F. FALLON . . .	<i>Secretary</i>
Term, three years	
JAMES J. CASEY . . .	Term expires 1916
BERNARD F. FALLON . . .	Term expires 1917
JOHN C. HAVERTY . . .	Term expires 1918
CARRIE A. ESTES	} <i>Clerks</i>
GENEVIEVE G. HANNON	
RUTH E. O'BRIEN	

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 21 and 22, City Hall. Telephone 244.

CITY ELECTRICAL DEPARTMENT

TIMOTHY C. O'HEARN *City Electrician*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 28, City Hall. Telephone 125.

Central Fire Alarm Office. Telephone 363.

INSPECTOR OF ANIMALS DEPARTMENT

DAVID L. BOLGER, M.D.V. *Inspector of Animals*

Residence, 35 Ash Street. Telephone 3550.

(No Office or Hours.)

BRIDGE DEPARTMENT

FRANCIS J. SMITH *Bridge Commissioner*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 12, City Hall.

SEALER OF WEIGHTS AND MEASURES DEPARTMENT

FELIX C. McBRIDE *Sealer*

Emery T. Morris }

Hugh H. Healey }

Joseph O'Neil }

. *Deputy Sealers*

Office Hours: Fridays, 8 A. M. to 4 P. M. Saturdays, 8 A. M. to 12 M.

Office, Brattle Square Building. Telephone 509W.

CITY PHYSICIAN

WILLIAM G. BROUSSEAU

Residence, 2222 Massachusetts Avenue. Telephone 1285.

Office, Central Square Building

Office Hours: Daily, 9 to 11 A. M. Telephone 660.

FENCE VIEWERS

LEWIS M. HASTINGS	.	.	.	City Hall
JEREMIAH F. DOWNEY	.	.	.	City Hall
Telephones 471, 125.				

CAMBRIDGE PLANNING BOARD

GEORGE F. McKELLEGETT	.	.	.	<i>Chairman</i>
STELLA F. McKENZIE	.	.	.	<i>Secretary</i>
HARRIS GINZBERG	.	.	.	Term expires 1916
STELLA F. McKENZIE	.	.	.	Term expires 1917
GEORGE F. McKELLEGETT	.	.	.	Term expires 1918
_____	.	.	.	Term expires 1919
ROBERT E. MARTIN	.	.	.	Term expires 1920

COMMISSION TO UNDERTAKE SANITARY SURVEY OF CITY OF CAMBRIDGE

PROF. GEORGE C. WHIPPLE	.	.	<i>Chairman</i>
DR. BRADFORD H. PEIRCE	.	.	<i>Secretary</i>
PROF. GEORGE C. WHIPPLE			
PROF. JAMES FORD			
DR. BRADFORD H. PEIRCE	.	.	<i>Medical Inspector</i>
EDWARD W. QUINN	.	.	<i>Superintendent of Streets</i>
LEWIS M. HASTINGS	.	.	<i>City Engineer</i>

SCHOOL COMMITTEE

DR. JOHN E. DWYER	.	.	.	<i>Chairman</i>
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At Large

James B. Valley, 39 Roseland Street	Term expires 1917
John W. Bradley, 16 Leonard Avenue	Term expires 1918

District No. 1

James T. Barrett, 97 Otis Street	Term expires 1918
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District No. 2

Dr. John E. Dwyer, 878 Massachusetts Avenue.	Term expires 1917
--	-------------------

District No. 3

Florence Lee Whitman, 23 Everett Street	Term expires 1916
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School Supply Agent

CONSTANTINE J. CHURCH
Telephone 5606-5607-5608

Superintendent of Schools

MICHAEL E. FITZGERALD
JOHN J. MAHONEY, *Assistant*

Office Hours: 8.30 A. M. to 5 P. M.

Office, Rooms 13, 14 and 15, City Hall. Telephone 5606-5607-5608.

CEMETERY DEPARTMENT—CEMETERY COMMISSIONERS

JEREMIAH J. SULLIVAN . . . *Chairman*

Term, Three Years

JEREMIAH J. SULLIVAN . . . Term expires 1916

TIMOTHY F. MCCARTHY . . . Term expires 1916

THOMAS E. WILLIAMS . . . Term expires 1917

EBEN H. GOOGINS . . . Term expires 1917

THOMAS F. ROYLE . . . Term expires 1918

GEORGE T. QUINN . . . Term expires 1918

EDWARD J. BRANDON . . . *Clerk of the Board*

Office, Rooms 8 and 9, City Hall. Telephone 419.

THOMAS J. CAVANAUGH . . . *Supt. of the Cemetery*

JOHN J. MCKENZIE . . . *Clerk of the Cemetery*

Office Hours: at Cemetery, 8 A. M. to 5 P. M.

Office at Cemetery on Coolidge Avenue. Telephone 5.

PERSON TO CAUSE TO BE PROPERLY INTERRED THE BODIES OF SOLDIERS
AND SAILORS

EDWARD F. SULLIVAN

Office, Room 16, City Hall. Telephone 818.

PUBLIC LIBRARY DEPARTMENT—TRUSTEES OF CAMBRIDGE PUBLIC
LIBRARY

EDWARD P. COLLIER . . . *President*

For One Year

JOHN W. BRADLEY of School Committee

Citizens at Large. Term, Three Years

JOSEPH L. P. ST. COEUR . . .	Term expires 1916
WILLIAM J. E. SANDER . . .	Term expires 1916
THOMAS F. ATKINSON . . .	Term expires 1917
WILLIAM J. BARRY . . .	Term expires 1917
JOHN E. SOMERS . . .	Term expires 1918
EDWARD P. COLLIER . . .	Term expires 1918
JOSEPH L. P. ST. COEUR . . .	<i>Treasurer</i>
MATTHEW R. COPITHORNE . . .	<i>Secretary and Librarian</i>

Library open: 9 A. M. to 9 P. M. Reading Room: 9 A. M. to 9 P. M.
 Sunday, 2 to 9 P. M.

Office at Library Building, Broadway, Irving and Trowbridge Streets.
 Telephone 610.

CITY HOSPITAL DEPARTMENT—TRUSTEES OF CAMBRIDGE CITY HOSPITAL

CHARLES S. CAHILL . . .	<i>Chairman</i>
JOHN D. MERRILL . . .	<i>Secretary</i>
JOHN D. MERRILL . . .	Term expires 1916
CHARLES S. CAHILL . . .	Term expires 1917
JOHN H. HURLEY . . .	Term expires 1918
ISAAC McLEAN . . .	Term expires 1919
HUGH E. MCGOLDRICK . . .	Term expires 1920

WATER WORKS DEPARTMENT—CAMBRIDGE WATER BOARD

JAMES J. SCULLY *President*

Term, Five Years

BERNARD E. McDERMOTT . . .	Term expires 1915
JAMES J. SCULLY . . .	Term expires 1916
JOHN P. CONROY . . .	Term expires 1917
JOHN F. O'BRIEN . . .	Term expires 1918
JOSEPH E. DOHERTY . . .	Term expires 1919
WALTER H. HARDING . . .	<i>Clerk of the Board</i>
EDWARD W. QUINN . . .	<i>Supt. of Water Works</i>
WALTER H. HARDING . . .	<i>Water Registrar</i>

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 5 and 6, City Hall. Telephone 430.

REGISTRARS OF VOTERS

J. FRANK FACEY	.	.	.	<i>Chairman</i>
Term, Four Years				
JOHN P. McCORMICK	.	.	.	Term expires 1916
ALBERT H. HALL	.	.	.	Term expires 1917
J. FRANK FACEY	.	.	.	Term expires 1918
GUY R. MERRILL	.	.	.	Term expires 1919
ALBERT H. HALL	.	.	.	<i>Clerk</i>

Office at Central Square Building. Telephone 1027.

PARK DEPARTMENT—PARK COMMISSIONERS

DANIEL A. BUCKLEY	.	.	.	<i>President</i>
Term, Five Years				
DANIEL A. BUCKLEY	.	.	.	Term expires 1916
DAVID J. NELLIGAN	.	.	.	Term expires 1917
JOHN J. AHERN	.	.	.	Term expires 1918
WILLIAM M. WADDEN	.	.	.	Term expires 1919
JOHN T. SHEA	.	.	.	Term expires 1920
ROSE E. MANNING	.	.	.	<i>Secretary</i>
JOHN F. DONNELLY	.	.	.	<i>General Superintendent</i>

Office Hours: 8 A. M. to 4 P. M.

Office, Room 11, City Hall. Telephone 650-119.

SINKING FUND DEPARTMENT—COMMISSIONERS OF THE SINKING FUND

GEORGE G. WRIGHT	.	.	.	<i>Chairman</i>
Term, Three Years				
JOHN J. QUINLAN	.	.	.	Term expires 1916
THOMAS F. ROYLE	.	.	.	Term expires 1916
EDWARD N. MANNING	.	.	.	Term expires 1917
HERBERT M. BRIDEY	.	.	.	Term expires 1917
JAMES O'BRIEN	.	.	.	Term expires 1918
GEORGE G. WRIGHT	.	.	.	Term expires 1918
WILLIAM J. HOPKINS	.	.	.	<i>Secretary</i>
HENRY F. LEHAN	.	.	.	<i>Treasurer</i>

OVERSEERS OF THE POOR DEPARTMENT—OVERSEERS OF THE POOR

JOHN R. McCool *Chairman*

Term, Five Years

FRANK McLAUGHLIN Term expires 1916

PATRICK J. CALLAGHAN Term expires 1917

JAMES F. MULLEN Term expires 1918

GEORGE P. O'BRIEN Term expires 1919

JOHN R. McCool Term expires 1920

JAMES E. FINNEGAN *Secretary*CHARLES E. GOODROW *Supt. of City Home*

Office Hours, at Central Square Building, 8 A. M. to 4 P. M.

Telephones: Office 660; City Home 189.

BOARD OF APPEAL

CLARENCE H. BLACKALL *Chairman*

Term, Three Years

Clarence H. Blackall (Architect) John B. Byrne (Master Builder)

Harry N. Stearns

WILLIAM H. SHERIDAN *Secretary*

Office, Room 28, City Hall. Telephone 125.

AGENT FOR COMMITTEE ON SOLDIERS AID

EDWARD F. SULLIVAN

Office Hours: 8 A. M. to 4 P. M.

Office, Room 16, City Hall. Telephone 818.

TRUSTEES OF THE DOWSE INSTITUTE

FRANCIS G. PEABODY *President*TIMOTHY W. GOOD, *ex-officio*.ARTHUR S. BROWNE, Pres. Common Council, *ex-officio*

GEORGE HOWLAND COX

JOSEPH H. BEALE, JR.

FRANCIS G. PEABODY

JOSEPH H. BEALE, JR. . . . *Secretary*GEORGE HOWLAND COX *Treasurer*

TRUSTEES OF THE SANDERS TEMPERANCE FUND AND BRIDGE CHARITABLE
FUND

TIMOTHY W. GOOD, *Mayor*

PETER J. NELLIGAN, President Board of Aldermen

ARTHUR S. BROWNE, President of Common Council, *ex-officiis*.

CIVIL SERVICE—LABOR DIVISION

HARRY L. LINCOLN *Registration Clerk*

Office Hour: 4 P. M. daily. Except Saturday

CAMBRIDGE FREE EMPLOYMENT BUREAU

FRANCIS C. SMITH *Superintendent*

Office—Basement at City Hall. Telephone 5391W.

PERSON TO RECEIVE INFORMATION OF DAMAGE BY DOGS

(*Ch. 102, Sect. 151, Revised Laws.*)

HENRY J. CUNNINGHAM

POUND KEEPERS

JAMES F. GRAY

JOHN J. TOOMEY

COMMITTEE FOR THE PRESERVATION OF FISH

THOMAS P. O'NEIL

INSPECTORS OF JUNK SHOPS

Pawnbrokers' Shops and Second-Hand Stores and Dealers

JOHN J. MCBRIDE

JOHN F. MURRAY

JAMES E. MURRAY

PATRICK J. HURLEY

JAMES M. KENNEY

MICHAEL J. BRENNAN

HAY WEIGHERS

FRANK W. BARTLETT
WILLIAM N. NEALLY

GEORGE M. DAVID
JOHN N. BOLSTER

INSPECTOR OF PRESSED OR BUNDLED HAY OR STRAW

HARVEY O. TITUS

PUBLIC WEIGHERS

Francis E. Bailey
Robert C. Bird
Ernest E. Bradbury
Harry Butland
William A. Cheyne
Theodore P. Clark
Dennis T. Coffey
Ernest Croake
Clyde E. Crozier
Leonard Day
William H. Delaney
John E. Fay
Frank Finnick
Alexander S. Ford
George S. Penney
John F. Reilly
Manuel M. Rogers
Alexander Russell
Mathieson L. Scorgie
John M. Thayer
John J. Toomey

John P. Healy
Warren B. Hibbert
Robert Holden
John H. Holt
James Knowles
Neil Macdonald
Fred W. MacFarland
Edward A. Mahoney
William Maloney
Walter G. Martin
Melvin McFarland
Martin McMahan
Harry Meehan
August Pawlowski
Lawrence J. Toomey
James J. Travers
William H. Tupper
William Varney
Orne Vose
James A. Whelan

MEASURERS OF GRAIN

EMERY T. MORRIS
HUGH H. HEALEY

FELIX C. MCBRIDE
JOSEPH O'NEIL

SURVEYOR OF MECHANICS' WORK

CHARLES A. MASON

KEEPER OF LOCK-UPS

HENRY J. CUNNINGHAM

CONSTABLES

(With power to serve civil process)

Joseph O. Authier	Albert Gertson
Stephen C. Bresnahan	William M. Hogan
Gilmore B. Creelman	James E. Lennon
Frederick L. Donovan	George J. McNamara
Edward C. Fitzgerald	Walter L. Potter
John Foster	James M. Shannon
Joseph Fox	Eugene L. Sullivan

CONSTABLES

(Without power to serve civil process)

John Abramowicz	Joseph James
Charles R. Apted	Patrick Jennings
Deming E. Badger	Hugh H. Keenan
Fred Bailey	Max Keezer
William Barber	John J. Kelliher
William F. Boyle	Dennis F. Kelly
James J. Brennan	James R. Keough
John M. Brogan	Joseph N. Lamb
Allan Huston Brown	Joseph P. Lane
John J. Brownrigg	William T. Leahy
George P. Burke	William B. Lehmkuhl
David D. Burns	Charles A. Lincoln
Robert E. Burton	Edward L. Maher
Lucian S. Cabot	Peter Malone

Timothy A. Callaghan
John Francis Carlin
Patrick Carroll
Frank H. Carter
Michael D. Collins
John F. Connolly
Edward J. Cooper
J. Joseph Corcoran
George J. Costigan
Frederick E. Cox
John J. Creedon
Peter H. Curran
Thomas Culhane
Charles R. Daisy
David U. Dashler, Jr.
Albert J. Denman
James C. Doherty
Charles H. Dolloff
Thomas F. Donovan
William F. Donovan
Walter Edgehill
Charles Emerson
William G. England
William F. Fitzgerald
Eugene M. Flanagan
James J. Foley
Thomas Gannon
Charles E. Getchell
John Good
Charles E. Goodrow
William H. Goodwin
Frank A. Hagar
Charles V. Hamilton
Daniel Hanifen
Fred M. Harrington
James P. Harrington
William H. Harlow
Joseph B. Hayes
John Hayman
Hugh H. Healey

James Hicks
Joseph Holland
Thomas A. Hughes
Albert M. Martin
Frank W. Marvin
William R. Mitchell
Charles E. Moore
Herbert Moore
Emery T. Morris
Thomas F. Mullen
John D. McAuliffe
Felix C. McBride
Charles P. McCorry
John McDonald
Edward McMann
Edward L. McManus
Charles E. McPeck
David J. Nelligan
John P. Nelligan
John O'Connor
Thomas J. O'Connor
Joseph O'Neil
William H. Porter
Anthony Puglisi
James D. Reddin
Burrill Ridley
Jeremiah Riley
John J. Roach
A. M. Rodgers
Philip Russell
Timothy J. Shine
James H. Shuckrowe
George W. Stanton
John J. Sullivan
William J. Sullivan
John Taylor
John M. Techa
Thomas Tevlin
Fred S. Tinkham
Patrick F. Tobin

George E. Verrill
Edward F. Wadden
Frank H. Wait
Edward F. Walsh

Patrick F. Walsh
Pacy Welch
Joel Melvin Wheeler

CITY OF CAMBRIDGE

VOTES CAST AT

State Election, November 3, 1914

Municipal Election, March 9, 1915

And at Following Primary Elections, to Wit:

DEMOCRATIC PARTY PRIMARY.....SEPTEMBER 22, 1914

REPUBLICAN PARTY PRIMARY.....SEPTEMBER 22, 1914

PROGRESSIVE PARTY PRIMARY.....SEPTEMBER 22, 1914

DEMOCRATIC PARTY PRIMARY.....FEBRUARY 16, 1915

CITIZENS' MUNICIPAL PARTY PRIMARY....FEB. 16, 1915

WARD	PRECINCT	GOVERNOR							LIEUTENANT-GOVERNOR							SECRETARY							TREASURER						
		Alfred H. Evans, of Hadley, Prohibition	Samuel W. McCall, of Winchester, Republican	Arthur E. Reimer, of Boston, Socialist-Labor	Samuel E. Roberts, of Springfield, Socialist	Joseph Walker, of Brookline, Progressive	David I. Walsh, of Fitchburg, Democratic	Blank	Edward P. Barry, of Boston Democratic	Grafton D. Cushing, of Boston, Republican	Arthur Howard, of Salem, Prohibition	James P. Magenis, of Boston, Progressive	Sylvester J. McBride, of Watertown,	Patrick Mulligan, of Boston, Socialist-Labor	Blank	Percy B. Ball, of Attleborough, Socialist	Frank J. Donahue, of Boston, Democratic	James W. Holden of New Bedford, Socialist-Labor	Albert P. Langtry, of Springfield, Republican	William G. Merrill, of Malden, Prohibition	Russell A. Wood, of Cambridge, Progressive	Blank	Charles L. Burrill, of Boston, Republican	Joseph M. Caldwell, of Milford, Socialist	Frederick Fosdick, of Fitchburg, Progressive	Thomas A. Frissell, of Hinsdale, Prohibition	Carl Lindstrand, of Lynn, Socialist-Labor	Frederick W. Mansfield, of Boston Democratic	Blank
1	1	0	19	1	0	2	228	5	222	24	2	4	0	0	3	2	217	0	20	1	8	7	19	1	2	2	221	8	
1	2	0	43	3	1	9	227	3	221	44	3	6	0	1	11	4	221	1	40	1	8	11	46	1	8	0	1	217	13
Totals		0	62	4	1	11	455	8	443	68	5	10	0	1	14	6	438	1	60	2	16	18	65	2	10	2	3	438	21
2	1	2	21	1	1	4	296	4	295	24	1	2	1	0	6	2	284	0	26	2	5	10	22	2	5	1	0	286	13
2	2	1	26	1	0	5	249	3	246	26	0	6	1	1	5	0	243	1	25	1	4	11	25	0	1	2	1	244	12
Totals		3	47	2	1	9	545	7	541	50	1	8	2	1	11	2	527	1	51	3	9	21	47	2	6	3	1	530	25
3	1	1	10	0	3	9	219	4	216	11	0	7	4	2	6	4	205	4	5	1	12	15	11	3	7	2	0	214	9
3	2	0	16	4	2	5	201	4	196	14	1	8	4	0	9	2	191	4	12	0	5	18	12	4	6	0	1	188	21
3	3	0	55	1	1	7	274	2	266	58	0	10	0	1	5	1	264	0	51	3	11	10	55	2	6	0	0	266	11
3	4	2	33	0	0	13	235	2	230	35	0	8	4	0	8	4	227	1	34	0	11	8	39	5	6	0	3	224	8
Totals		3	114	5	6	34	929	12	908	118	1	33	12	3	28	11	887	9	102	4	39	51	117	14	25	2	4	892	49
4	1	3	36	1	0	4	129	3	129	39	3	3	1	0	1	4	123	1	35	0	7	6	35	2	2	1	0	125	11
4	2	4	80	0	6	12	176	3	164	85	3	18	6	0	5	6	165	0	80	5	19	6	86	5	10	3	0	166	11
4	3	0	114	3	5	15	138	1	136	114	2	15	5	4	0	5	135	5	106	1	19	5	106	5	13	3	5	136	8
4	4	1	107	0	3	12	171	3	159	113	2	13	3	0	7	3	153	0	104	1	23	13	110	3	13	1	0	158	12
Totals		8	337	4	14	43	614	10	588	351	10	49	15	4	13	18	576	6	325	7	68	30	337	15	38	8	5	585	42
5	1	1	74	1	2	10	248	2	235	82	0	8	1	1	11	2	232	1	73	1	16	13	76	2	5	0	1	235	19
5	2	2	81	0	2	13	233	3	213	94	4	10	3	1	9	2	224	0	77	2	12	17	85	4	8	1	0	219	17
5	3	1	248	3	0	18	162	1	146	253	3	23	0	0	8	3	159	0	240	0	23	8	242	4	15	3	0	159	10
5	4	2	238	0	0	20	85	0	68	254	3	17	0	0	3	0	72	1	231	4	27	10	242	1	17	2	0	74	9
Totals		6	641	4	4	61	728	6	662	683	10	58	4	2	31	7	687	2	621	7	78	48	645	11	45	6	1	687	55

6	1	264	4	114	3	8	9	120	6	116	116	3	9	9	1	10	8	110	7	105	3	17	14	115	9	8	3	3	110	16
6	2	324	1	176	0	1	29	116	1	105	181	2	25	2	0	9	3	106	1	163	5	38	8	175	4	27	3	0	106	9
6	3	386	8	136	1	2	12	218	9	210	138	6	16	2	1	13	3	199	1	134	4	26	19	142	2	15	2	2	206	17
6	4	450	3	279	0	3	30	133	2	131	285	3	21	4	0	6	3	120	0	272	4	40	11	284	3	25	2	0	125	11
Totals		1424	16	705	4	14	80	587	18	562	720	14	71	17	2	38	17	535	9	674	16	121	52	716	18	75	10	5	547	53
7	1	384	1	173	1	3	18	183	5	177	177	2	17	2	3	6	1	170	3	167	1	30	12	179	2	12	1	4	173	13
7	2	398	3	128	0	8	14	232	13	226	127	3	15	8	3	16	10	267	2	70	3	25	21	124	9	14	1	2	224	24
7	3	393	5	246	0	4	17	117	4	107	249	4	19	5	1	8	5	106	0	234	10	28	10	242	6	13	4	1	113	14
7	4	367	5	175	4	5	9	166	3	145	187	2	16	5	2	10	4	146	1	167	4	31	14	172	6	24	2	2	142	19
Totals		1542	14	722	5	20	58	698	25	655	740	11	67	20	9	40	20	689	6	638	18	114	57	717	23	63	8	9	652	70
8	1	419	2	175	0	5	36	198	3	183	194	4	26	6	0	6	5	187	1	163	6	43	14	166	7	33	2	0	198	13
8	2	411	3	231	1	1	25	146	4	133	242	3	26	1	0	6	2	140	1	214	4	42	8	223	2	31	1	0	146	8
8	3	464	1	64	1	0	8	382	8	377	62	1	9	0	0	15	3	352	1	60	0	22	26	65	2	9	0	0	365	23
Totals		1294	6	470	2	6	69	726	15	693	498	8	61	7	0	27	10	679	3	437	10	107	48	454	11	73	3	0	709	44
9	1	402	2	238	0	2	30	129	1	115	255	2	24	2	0	4	5	124	1	230	1	36	5	246	3	29	1	1	116	6
9	2	475	2	228	0	2	17	222	4	204	237	0	19	3	0	12	25	187	0	209	1	34	19	213	3	21	2	0	222	14
9	3	633	3	265	1	6	22	331	5	299	285	1	28	8	2	10	11	315	0	259	2	32	14	262	8	27	1	1	318	16
Totals		1510	7	731	1	10	69	682	10	618	777	3	71	13	2	26	41	626	1	698	4	102	38	721	14	77	4	2	656	36
10	1	430	2	275	0	2	28	122	1	104	282	4	34	3	0	3	5	105	1	273	1	41	4	275	3	27	3	0	118	4
10	2	397	4	252	1	0	25	111	4	95	268	1	23	1	1	8	1	92	6	253	1	36	8	247	0	22	1	1	111	15
10	3	380	0	65	1	4	10	293	7	292	68	5	4	3	1	7	3	285	5	63	0	11	13	72	4	3	0	1	281	19
Totals		1207	6	592	2	6	63	526	12	491	618	10	61	7	2	18	9	482	12	589	2	88	25	594	7	52	4	2	510	38
11	1	511	1	272	0	7	20	207	4	195	282	3	20	5	0	6	5	193	2	259	3	41	8	263	8	20	0	0	202	18
11	2	534	2	126	0	5	18	381	2	366	135	0	17	2	2	12	2	357	1	123	2	30	19	125	2	20	4	2	368	13
11	3	411	1	48	1	4	6	340	11	326	52	2	7	6	2	16	7	311	2	50	0	22	19	53	6	5	1	1	323	22
Totals		1456	4	446	1	16	44	928	17	887	469	5	44	13	4	34	14	861	5	432	5	93	46	441	16	45	5	3	893	53
Grand Totals		13171	73	4867	34	98	541	7418	140	7048	5092	78	533	110	30	280	155	6987	55	4627	78	835	434	4854	133	509	55	35	7099	486

WARD	PRECINCT	AUDITOR							ATTORNEY GENERAL							CONGRESS- MAN	COUNCILLOR				SENATOR	
		Alonzo B. Cook, of Boston, Republican	Daniel R. Donovan, of Springfield, Socialist	John Drysdale, of North Adams, Prohibition	Frederick P. Glazier, of Hudson, Progressive	Fred E. Oelcher, of Peabody	Frank H. Pope, of Leominster, Democratic	Blank	Henry C. Atwill, of Lynn, Republican	Thomas J. Boynton, of Everett, Democratic	Jo Hildreth of Holyoke, Progressive	Howard B. Rand, of Haverhill, Prohibition	John Neason Sherman, of Boston, Socialist	William Taylor, of Worcester, Socialist-Labor	Blank		Third District	Fourth District	Blank	Green	Thompson	Blank
1	1	18	0	3	2	1	1	16	20	220	4	0	1	0	10	4	221	25		215	25	15
1	2	42	3	1	7	0	0	15	41	222	7	0	1	1	14	3	225	42		220	45	21
Totals		60	3	4	9	1	0	31	61	442	11	0	2	1	24	7	446	67		435	70	36
2	1	21	2	1	3	0	0	19	23	287	4	0	3	1	11	5	287	26		276	28	25
2	2	24	1	0	1	1	0	17	22	245	1	0	0	1	16	1	241	26		240	26	19
Totals		45	3	1	4	1	0	36	45	532	5	0	3	2	27	6	528	52		516	54	44
3	1	9	5	2	7	0	0	20	10	210	6	1	3	1	15	4	213	14		208	14	24
3	2	12	5	1	6	0	0	25	16	191	3	0	4	1	17	4	195	16		191	17	24
3	3	340	2	0	6	0	1	19	56	258	5	1	1	0	19	7	255	61		248	65	27
3	4	285	7	0	6	2	0	14	36	224	6	0	4	0	15	5	221	45		217	43	25
Totals		116	19	3	25	2	0	78	118	883	20	2	12	2	66	26	884	136		864	139	100
4	1	38	1	1	5	1	0	14	40	119	2	1	4	1	9	3	119	43		181	263	180
4	2	91	6	2	13	0	0	11	84	167	11	3	5	1	10	3	167	95		181	263	180
4	3	276	7	3	14	3	0	18	107	128	14	2	8	3	14	7	144	111		181	263	180
4	4	297	5	1	13	0	0	17	109	154	11	1	4	2	16	5	153	119		181	263	180
Totals		350	19	7	45	4	0	60	340	568	38	7	21	7	49	18	583	368		181	263	180
5	1	77	3	0	6	1	0	19	74	237	9	0	4	1	13	2	221		227	19	70	22
5	2	334	2	1	10	0	0	27	80	222	6	1	2	2	21	3	220	10	209	10	79	36
5	3	433	2	4	14	0	0	18	250	151	13	0	3	0	16	5	157	28	150	28	228	27
5	4	345	0	4	20	0	0	16	236	77	18	3	0	0	11	9	100	28	60	28	234	23
Totals		607	7	9	50	1	0	80	640	687	46	4	9	3	61	19	698	85	616	85	611	108

6 6 6 6	1	264	117	10	2	10	2	108	15	115	110	10	2	10	3	14	133	116	4	11	112	16	110	26					
	2	324	171	4	3	26	1	108	11	177	102	27	2	4	0	12	185	120	12	7	104	36	161	23					
	3	386	141	5	4	12	1	202	21	138	204	12	4	5	3	20	157	208	8	13	213	13	135	25					
	4	450	280	4	4	25	0	124	13	282	126	22	3	5	0	12	281	150	12	7	122	38	269	21					
Totals			709	23	13	73	4	542	60	712	542	71	11	24	6	58	756	594	36	38	551	103	675	95					
7 7 7 7	1	384	169	2	3	13	2	177	18	173	176	16	1	3	2	15	173	202	4	5	173	27	164	20					
	2	398	124	11	1	15	2	215	30	124	220	13	3	9	2	27	144	239	6	9	217	25	122	34					
	3	393	239	5	7	16	0	105	21	239	112	13	7	6	0	16	242	137	5	9	107	30	228	28					
	4	367	175	6	3	20	3	130	30	174	138	20	2	5	3	25	198	148	5	16	134	31	170	32					
Totals			707	24	14	64	7	627	99	710	646	62	13	23	7	81	757	726	20	39	631	113	684	114					
8 8 8	1	419	146	5	4	33	2	211	18	165	194	30	4	7	3	16	174	224	7	14	180	53	160	26					
	2	411	199	4	2	28	0	165	15	224	149	24	1	2	0	11	228	169	6	8	140	43	208	20					
	3	464	67	2	1	9	0	357	28	65	358	11	0	5	0	25	75	372	4	13	361	14	53	36					
	Totals			1294	11	7	70	2	733	59	454	701	65	5	14	3	52	477	765	17	35	681	110	421	82				
9 9 9	1	402	210	4	3	32	0	141	12	232	122	34	1	3	0	10	249	139	9	5	107	51	220	24					
	2	475	184	3	3	17	0	249	19	213	215	20	2	4	0	21	220	237	11	7	208	36	204	27					
	3	633	252	10	1	25	1	328	16	258	321	23	0	10	1	20	273	337	9	14	304	44	245	40					
	Totals			1510	17	7	74	1	718	47	703	658	77	3	17	1	51	742	713	29	26	619	131	669	91				
10 10 10	1	430	268	1	4	25	0	127	5	273	121	26	2	5	0	3	264	149	11	6	106	49	258	17					
	2	297	241	1	1	21	3	116	14	254	104	24	1	1	1	12	251	125	11	10	98	35	241	23					
	3	380	64	4	2	8	1	282	19	70	281	7	0	3	2	17	62	306	2	10	285	14	59	22					
	Totals			1207	573	6	7	4	525	38	597	506	57	3	9	3	32	577	580	24	26	489	98	558	62				
11 11 11	1	511	264	6	1	18	0	205	17	265	200	18	1	6	0	21	260	232	10	9	194	38	257	22					
	2	534	132	5	2	17	0	359	19	129	358	18	0	6	3	20	140	374	13	7	356	30	118	30					
	3	411	53	6	1	5	1	312	33	50	326	4	0	6	1	24	68	324	5	14	309	14	49	39					
	Totals			449	17	4	40	1	876	69	444	884	40	1	18	4	65	468	930	28	30	859	82	424	91				
Grand Totals			4674	149	76	508	287079	4824	657	7049	492	49	152	39	566	5262	7413	209	287	2441	623	224	4476	722	4042	643	1815	263	180

STATE ELECTION, NOVEMBER 3, 1914—Continued

WARD	PRECINCT	SENATOR Third Suffolk				SENATOR Second Middlesex				REPRESENTATIVES Second Middlesex								COUNTY COMMISSIONER						
		Dyer	Farley	McGonagle	Blank	James W. Bean, Progressive-Republican	John P. Brennan, Democratic	Edwin D. Stickney, Progressive-Citizens	Blank	Albert M. Chandler, Progressive-Republican	Frederic F. Clauss, Progressive-Republican	Thomas A. Glennon, Democratic	Stephen H. Harrington, Democratic	Charles N. James, Republican	James H. Murphy, Democratic	John M. Murray, Progressive-Citizens	John F. Ollis, Progressive-Citizens	Albion M. Richards, Progressive	Blank	George A. Goodwin, of Cambridge, Progressive	Levi S. Gould, of Melrose, Republican	Charles F. McCarthy, of Marlborough, Democratic	Blank	
1	1																			3	23	214	15	Blank
1	2																			9	44	218	15	Blank
Totals																				12	67	432	30	Blank
2	1																			3	23	292	11	Blank
2	2																			5	23	240	17	Blank
Totals																				8	46	532	28	Blank
3	1	246																		12	9	205	20	Blank
3	2	232																		12	12	189	19	Blank
3	3	340																		11	55	245	29	Blank
3	4	285																		12	36	222	15	Blank
Totals		1103																		47	112	861	83	Blank
4	1	176	14	33	114	15														8	32	120	16	Blank
4	2	281	29	83	153	16														8	78	152	24	Blank
4	3	276	41	87	118	30														27	107	115	27	Blank
4	4	297	38	82	140	37														26	101	149	21	Blank
Totals		1030	122	285	525	98														88	318	536	88	Blank
5	1	338																		18	71	216	33	Blank
5	2	334																		19	71	209	35	Blank
5	3	433																		29	233	145	26	Blank
5	4	345																		32	227	70	16	Blank
Totals		1450																		99	602	610	110	Blank

6	1	264	113	122	9	20	108	113	116	92	96	92	21	9	12	133	23	104	103	34
6	2	324	191	104	12	17	185	178	702	84	172	83	24	12	28	104	43	154	99	28
6	3	386	156	198	8	24	146	141	200	163	134	177	18	16	23	140	35	128	186	37
6	4	450	287	123	12	28	281	311	118	89	255	110	8	14	34	130	54	253	120	23
Totals		1424	747	547	41	89	720	743	536	428	657	462	71	51	97	507	155	639	508	122
7	1	384	186	169	8	21	176	174	150	139	173	164	17	13	20	126	31	163	160	30
7	2	398	117	232	17	32	133	129	197	194	110	222	16	7	19	167	28	119	208	43
7	3	393	235	111	14	33	250	234	102	91	227	98	17	9	23	128	30	227	110	36
7	4	367	196	127	10	34	194	196	119	107	176	126	12	8	15	148	43	201	88	35
Totals		1542	734	639	49	120	753	733	568	531	686	610	62	37	77	569	132	710	556	144
8	1		193	178	18	30											54	161	175	29
8	2		246	137	8	20											54	214	128	15
8	3		62	377	5	20											22	56	353	33
Totals		1294	501	692	31	70											130	431	656	77
9	1	402	266	105	20	11											49	220	114	19
9	2		228	212	16	19											43	193	203	36
9	3		282	306	12	33											50	242	293	48
Totals		1510	776	623	48	63											142	655	610	103
10	1		299	108	11	12											44	255	111	20
10	2		268	96	9	24											40	234	92	31
10	3		76	267	11	26											19	59	276	26
Totals		1207	643	471	31	62											103	548	479	77
11	1		287	181	14	29											41	257	187	26
11	2		147	335	11	41											31	123	346	34
11	3		70	305	6	30											19	47	307	38
Totals		1456	504	821	31	100											91	427	840	98
Grand Totals			4600	4417	275	591	2512	2482	2217	2079	2303	2166	228	158	288	1905	1006	4555	6650	960

VOTES CAST FOR STATE OFFICERS

6	1	153	49	62	172	38	54	143	41	80
6	2	162	97	65	193	81	50	172	68	84
6	3	212	108	66	235	82	69	210	66	110
6	4	228	147	75	277	108	65	254	86	110
Totals		755	401	268	877	309	238	779	261	384
7	1	210	107	67	240	82	62	212	86	86
7	2	251	71	76	280	50	68	215	61	122
7	3	164	160	69	221	112	60	229	81	83
7	4	192	108	67	237	72	58	205	73	89
Totals		817	446	279	978	316	248	861	301	380
8	1	198	163	58	241	132	46	241	97	81
8	2	181	185	45	220	155	36	232	106	73
8	3	307	71	86	344	45	75	259	65	140
Totals		686	419	189	805	332	157	732	268	294
9	1	169	178	55	193	159	50	219	117	66
9	2	203	207	65	245	179	51	261	126	88
9	3	294	252	87	370	196	67	383	127	123
Totals		666	637	207	808	534	168	863	370	277
10	1	151	216	63	192	185	53	237	117	76
10	2	156	188	53	190	158	49	214	105	78
10	3	216	106	58	256	67	57	201	68	111
Totals		523	510	174	638	410	159	652	290	265
11	1	218	214	79	278	162	71	293	100	118
11	2	290	159	85	344	112	78	330	88	116
11	3	293	57	61	312	40	59	255	54	102
Totals		801	430	225	934	314	208	878	242	336
Grand Totals		7098	3923	2150	8204	3036	1931	7473	2554	3144

MUNICIPAL ELECTION, MARCH 9, 1915

	MAYOR			ASSESSOR			SCHOOL COMMITTEE At Large				SCHOOL COMMITTEE District No. 1				
	Whole Number of Ballots Cast	Timothy W. Good	Wendell D. Rockwood	Blank	Adams	Haverly	Blank	Whole Number of Ballots Cast	Andrew	Bradley	Briggs	Blank	Barrett	Horace J. Gray	Blank
WARD PRECINCT															
1.....	302	255	41	6	37	252	13	340	56	266		18			
1.....	353	274	72	7	65	274	14	386	74	296		16			
Totals.....	655	529	113	13	102	526	27	726	130	562		34			
2.....	387	304	79	4	63	313	11	446	81	333		32			
2.....	331	258	68	5	51	257	23	399	67	301		31	282		58
Totals.....	718	562	147	9	114	570	34	845	148	634		63	295		91
3.....	287	223	56	8	36	231	20	344	51	265		28	577		149
3.....	273	196	68	9	36	217	20	316	60	225		31	369		77
3.....	362	253	102	7	79	269	14	424	99	307		18	336		63
3.....	333	235	92	6	64	261	8	376	92	265		19	705		140
Totals.....	1255	907	318	30	215	978	62	1460	302	1062		96	267		77
4.....	209	145	60	4	53	146	10	233	60	163		10	231		85
4.....	344	174	158	9	120	215	6	395	161	215		19	305		119
4.....	300	127	164	9	133	154	13	352	165	170		17	242	1	90
4.....	333	139	190	4	144	180	9	395	200	181		14	1045	1	371
Totals.....	1183	585	572	26	450	695	38	1375	586	729		60	2327	1	660
5.....	369	236	130	3	97	265	7	426	142	265		19			
5.....	360	210	143	7	90	260	10	453	164	267		22			
5.....	444	145	290	9	251	186	7	566	363	187		16			
5.....	364	76	286	2	259	97	8	485	393	85		7			
Totals.....	1537	667	849	21	697	808	32	1930	1062	804		64	Total First District		

6.....	1.....	304	132	165	7	139	147	18	331	162	149				20
6.....	2.....	325	103	217	5	191	125	9	379	225	133				21
6.....	3.....	421	217	197	7	167	239	15	549	249	275				25
6.....	4.....	482	143	335	4	313	161	8	670	450	203				17
Totals.....		1532	595	914	23	810	672	50	1929	1086	760				83
7.....	1.....	401	174	219	8	192	191	18	503	255	227				21
7.....	2.....	420	220	192	8	155	250	15	487	191	269				27
7.....	3.....	422	108	309	5	283	131	8	579	431	120				28
7.....	4.....	405	162	239	4	209	181	15	499	277	197				25
Totals.....		1648	664	959	25	839	753	56	2068	1154	813				101
8.....	1.....	436	156	276	4	245	184	7	609	367	227				15
8.....	2.....	419	132	282	5	269	142	8	572	363	197				12
8.....	3.....	506	380	115	11	98	385	23	607	110	463				34
Totals.....		1361	668	673	20	612	711	38	1788	840	887				61
9.....	1.....	425	89	334	2	307	113	5	605	467	128		2		8
9.....	2.....	468	203	261	4	248	210	10	655	417	227				11
9.....	3.....	623	279	337	7	301	303	19	815	405	379				31
Totals.....		1516	571	932	13	856	626	34	2075	1289	734				50
10.....	1.....	416	104	311	1	277	127	12	615	463	144				8
10.....	2.....	408	96	306	6	257	125	26	564	427	120				17
10.....	3.....	396	291	99	6	81	306	9	554	109	431				14
Totals.....		1220	491	716	13	615	558	47	1733	999	695				39
11.....	1.....	522	185	334	3	284	219	19	724	417	289				18
11.....	2.....	547	296	245	6	189	339	19	781	259	496				26
11.....	3.....	449	286	155	8	101	333	15	657	161	473				23
Totals.....		1518	767	734	17	574	891	53	2162	837	1258				67
Grand Totals ...		14143	7006	6927	210	5884	7788	471	18091	8433	8938	2			718

MUNICIPAL ELECTION, MARCH 9, 1915

		ALDERMEN																				LIQUOR LICENSE						
WARD	PRECINCT	Whole Number of Ballots Cast	Wentworth	Clarke	Reed	Stephens	McCarthy	Bridg	Kelleher	Gardner	Corcoran	Carruth	Clary	Kennedy	Joel	Wardwell	Apted	Delehanly	Desmond	Nelligan	Munson	Dunphy	Murphy	Gaffney	Blank	Yes	No	Blank
1	1	302	38	40	248	30	242	228	234	36	235	33	76	227	35	44	36	227	43	215	28	234	226	246	321	189	102	11
1	2	353	68	64	267	63	244	238	246	57	246	55	103	236	59	72	57	231	65	231	54	247	227	272	481	194	148	11
Totals		655	106	104	515	93	486	466	480	93	481	88	179	463	94	116	93	458	108	446	82	481	453	518	802	383	250	22
2	1	387	54	64	287	59	287	284	284	62	278	57	127	283	57	83	59	274	71	259	46	291	269	280	442	202	166	19
2	2	331	47	57	258	44	235	232	238	49	232	52	95	225	44	55	45	223	58	221	42	241	219	257	472	186	138	7
Totals		718	101	121	545	103	522	516	522	111	510	109	222	508	101	138	104	497	129	480	88	532	488	537	914	388	304	23
3	1	287	38	38	227	28	199	196	199	32	188	32	62	200	38	38	38	181	65	170	33	212	188	207	548	174	104	9
3	2	273	31	27	215	27	180	171	171	24	178	25	56	185	56	27	26	166	79	148	17	208	169	194	623	195	69	9
3	3	362	88	82	266	80	243	240	244	76	243	78	113	248	82	82	78	237	111	210	72	248	238	251	372	193	159	10
3	4	333	65	65	235	61	216	214	217	62	220	58	87	216	76	69	67	210	94	201	56	247	212	218	497	182	142	9
Totals		1255	222	212	943	196	838	821	831	194	829	193	318	849	252	216	209	794	349	729	178	915	807	870	2040	744	474	37
4	1	209	57	51	139	54	140	137	140	56	140	51	55	135	53	49	44	131	48	133	48	140	130	146	222	120	78	11
4	2	341	131	121	176	123	167	164	165	126	162	130	142	169	138	125	123	175	135	160	116	184	161	166	492	156	178	7
4	3	300	137	137	131	136	133	120	130	127	126	137	148	123	133	135	143	129	135	129	143	132	121	131	384	165	131	4
4	4	333	169	159	141	165	141	142	143	158	146	168	174	137	159	168	169	142	157	137	159	152	137	129	311	108	221	4
Totals		1183	494	468	587	478	581	563	578	467	574	486	519	564	483	477	479	577	475	559	466	608	549	572	1409	549	608	26
5	1	369	106	99	225	105	214	220	222	103	218	102	144	208	107	107	106	205	131	200	97	245	196	205	494	175	183	11
5	2	360	122	121	193	119	198	204	203	119	205	103	138	192	121	111	126	189	125	187	108	212	189	174	501	107	246	7
5	3	444	282	271	127	280	135	150	137	275	141	265	301	119	273	269	286	128	289	139	267	148	123	109	370	106	332	6
5	4	364	290	284	60	289	64	69	67	288	64	285	290	64	284	284	286	62	279	69	278	68	58	49	173	63	295	6
Totals		1537	800	775	605	793	611	643	620	785	628	755	873	583	785	771	804	581	821	595	750	673	566	537	1538	451	1056	30

6	1	304	152	145	126	153	125	110	122	146	121	138	147	121	154	133	134	117	141	121	142	124	117	117	438	152	139	13
6	2	325	202	196	98	190	93	90	86	199	95	203	203	95	212	196	189	96	191	90	193	93	94	85	386	138	180	7
6	3	421	190	185	183	187	198	187	190	185	186	185	186	193	193	182	180	213	180	189	177	195	179	161	517	183	229	9
6	4	482	337	330	109	331	131	121	122	333	321	325	321	122	320	325	328	129	312	125	324	122	126	113	365	129	343	10
Totals		1532	881	856	516	861	547	508	520	863	531	849	857	531	879	836	831	555	824	525	836	534	516	476	1706	602	891	39
7	1	401	208	206	153	210	167	158	166	203	157	202	212	157	202	203	205	158	205	167	202	162	170	156	364	153	237	11
7	2	420	171	167	204	171	223	192	203	162	201	171	177	201	171	162	162	199	164	209	148	212	213	185	538	230	176	14
7	3	422	291	279	95	286	103	95	94	293	97	295	285	97	288	285	278	106	272	104	281	105	101	83	429	120	294	8
7	4	405	216	214	136	218	142	120	134	214	128	230	211	128	226	201	210	136	198	136	200	133	136	119	650	166	225	14
Totals		1648	886	866	588	885	635	565	597	872	585	905	885	585	887	851	855	599	839	616	831	612	620	543	1981	669	982	47
8	1	436	263	258	144	277	160	149	156	256	152	253	277	152	255	262	264	145	256	157	248	167	141	129	259	128	300	8
8	2	419	283	275	95	290	119	115	106	274	137	271	285	108	268	280	276	107	275	122	269	108	101	92	353	112	303	4
8	3	506	109	102	330	120	380	340	347	98	340	101	117	340	100	105	101	343	103	338	97	339	342	317	634	352	138	16
Totals		1361	655	635	569	687	659	604	609	628	600	625	679	600	623	647	641	595	634	617	614	614	584	538	1246	592	741	28
9	1	425	329	323	73	341	76	75	88	320	313	320	313	88	311	317	326	72	304	92	303	80	69	58	293	111	312	2
9	2	468	267	261	172	277	180	171	177	264	187	261	268	187	262	262	271	174	259	182	253	182	164	145	321	144	315	9
9	3	623	328	318	242	326	272	255	270	313	267	313	323	267	295	308	317	249	308	268	295	272	238	213	579	226	387	10
Totals		1516	924	902	487	944	528	501	535	897	542	894	904	542	868	887	914	495	871	542	851	534	471	416	1193	481	1014	21
10	1	416	313	305	82	327	86	87	92	306	87	304	314	87	300	307	324	87	302	94	307	94	75	65	231	78	334	4
10	2	408	307	303	79	308	79	77	86	303	78	298	305	78	295	303	296	79	300	91	287	92	71	67	299	82	320	6
10	3	396	94	92	264	104	286	264	284	90	284	85	104	284	86	86	101	263	92	286	81	289	268	241	320	225	161	10
Totals		1220	714	700	425	739	451	428	462	699	449	687	723	449	681	696	721	429	694	471	675	475	414	373	850	385	815	20
11	1	522	329	322	150	329	168	171	183	319	167	312	336	167	310	325	315	167	311	197	308	176	152	137	384	162	354	6
11	2	547	211	213	242	221	277	258	322	197	263	197	230	263	211	205	196	270	214	317	177	293	258	241	713	258	280	9
11	3	449	129	121	264	126	278	262	327	114	282	112	130	282	116	111	111	277	113	313	106	300	270	260	535	280	164	5
Totals		1518	669	656	656	676	723	691	832	630	712	621	696	712	637	641	622	714	638	827	591	769	680	638	1634	700	798	20
Grand Totals		14143	6452	6295	6436	6455	6581	6306	6595	6239	6647	6212	6855	6384	6290	6276	6273	6297	6385	6407	5962	3747	6148	6018	15313	3944	7883	316

CANDIDATES FOR COMMON COUNCIL

Ward One

	John L. Crowley	Frank J. Lehan	Blank
Precinct 1	241	241	122
Precinct 2	270	277	159
Totals	511	518	281

Ward Two

	James H. Kelleher	William R. McMenimen	Blank
Precinct 1	336	319	119
Precinct 2	277	279	106
Total	613	598	225

Ward Three

	Thomas F. McNamara	James F. Whalen	John J. Conley	Blank
Precinct 1	222	220		132
Precinct 2	217	204		125
Precinct 3	255	270		199
Precinct 4	235	239	1	191
Total	929	933	1	647

Ward Four

	Cornelius D. Crowley	O. Louis Donnini	Frederick Farr	Dennis P. Kelleher	Blank
Precinct 1	146	45	55	143	29
Precinct 2	170	149	133	179	51
Precinct 3	157	129	145	136	38
Precinct 4	149	170	160	148	39
Total	622	493	493	601	157

CANDIDATES FOR COMMON COUNCIL—*Continued*

Ward Five

	John T. Bergin	Arthur S. Browne	John F. Murphy	Ralph R. Stratton	Blank
Precinct 1	236	114	216	120	52
Precinct 2	212	131	190	124	63
Precinct 3	130	295	115	300	48
Precinct 4	58	298	56	293	23
Total	636	838	577	837	186

Ward Six

	Harold M. Broabury	Daniel F. Duris	Everett L. Gonyon	Francis G. Harding	William H. Reardon, Jr.	Blank
Precinct 1	138	157	102	45	89	77
Precinct 2	202	101	155	51	98	43
Precinct 3	192	183	146	33	222	66
Precinct 4	351	109	304	69	91	40
Total	883	550	707	198	500	226

Ward Seven

	Edmund H. Leland	Thomas G. Liston	Patrick H. Murphy	Lyman H. Reynolds	Franklin H. Wright	Blank
Precinct 1	204	166	162	5	209	58
Precinct 2	158	221	222	18	172	47
Precinct 3	287	101	93	20	285	58
Precinct 4	228	140	138	22	196	86
Total	877	628	615	65	862	249

Ward Eight

	Wilfred L. Clark	Robert P. Lewis	Howard F. Peak, Jr.	Charles H. Shea	Timothy J. Sullivan	Roy Lawrence Williams	Hugh G. Anderson	Herbert B. Harris	Blanks
Precinct 1	282	13	263	145	133	7			29
Precinct 2	276	28	256	127	108	10	1	1	31
Precinct 3	98	18	83	372	367	17			57
Total	656	59	602	644	608	34	1	1	117

CANDIDATES FOR COMMON COUNCIL—*Continued*

Ward Nine

	Francis B. Austin	Henry W. Durant	Jeremiah J. Durnin	Benjamin E. Jackson	George D. Reed	Francis R. Skinner	Blank
Precinct 1	78	325	66	25	15	293	48
Precinct 2	172	255	190	20	16	238	45
Precinct 3	291	305	268	33	22	262	65
Total	541	885	524	78	53	793	158

Ward Ten

	DeWitt C. Clapp	James M. Cunningham	Richard H. O'Brien	Edward T. Phillips	Horace D. Skilton	Byron C. Stone	Blank
Precinct 1	35	279	77	89	295	20	37
Precinct 2	42	284	81	72	273	21	43
Precinct 3	22	79	270	260	74	11	76
Total	99	642	428	421	642	52	156

Ward Eleven

	Armand A. De Pattee	John J. Foley	William J. Lynch	Seth Tears	Harry N. McKay	Blanks
Precinct 1	334	216	208	1	1	284
Precinct 2	237	309	324			224
Precinct 3	168	268	325			137
Total	739	793	857	1	1	645

VOTES CAST AT DEMOCRATIC PRIMARY, SEPTEMBER 22, 1914, AS AMENDED BY RECOUNTS

		GOVERNOR	LIEUT. GOVERNOR	SECRETARY	TREASURER	AUDITOR	ATTY GENERAL	CONGRESSMAN 5th District									
WARDS PRECINCTS	Whole Number of Ballots Cast	David I. Walsh	Blank	Edward P. Barry	Blank	Frank J. Donahue	Blank	Frederic W. Mansfield	Blank	Frank H. Pope	Blank	Thomas J. Boynton	John A. Austin, Brookline	Blank	Frederick S. Deitrick, 1664 Mass. Ave., Camb.	Blank	
	1	502	417	85	402	100	378	124	362	140	345	157	349		153	383	119
	2	586	489	97	490	96	452	134	436	150	410	176	412		174	447	139
	3	242	203	39	192	50	184	58	175	67	169	73	168		74	177	65
	3	240	192	48	193	47	165	75	164	76	149	91	155		85	175	65
	3	277	245	32	237	40	223	54	218	59	204	73	208		69	224	53
	3	258	206	52	203	55	200	58	191	67	184	74	186		72	199	59
	Totals	1017	846	171	825	192	772	245	748	269	706	311	717		300	775	242
	4	450	407	43	398	52	372	78	371	79	354	96	353		97	368	82
5	535	477	58	467	68	452	83	432	103	419	116	417		118	433	102	
6	365	295	70	283	82	271	94	268	97	250	115	248		117	274	91	
7	438	367	71	357	81	336	102	317	121	307	131	308		130	331	107	
8	527	435	92	424	103	382	145	379	148	354	173	360		167	389	138	
9	79	66	13	62	17	65	14	61	18	56	23	56		23	58	21	
9	183	150	33	149	34	135	48	135	48	127	56	126	1	57	145	38	
9	267	242	25	236	31	230	37	225	42	218	49	217		49	221	46	
Totals	529	458	71	447	82	430	99	421	108	401	128	399	1	129	424	105	

VOTES CAST AT PRIMARIES

10	1	81	72	9	69	12	67	14	67	14	62	19	63		18	64	17
10	2	79	79	0	66	13	65	14	66	13	64	15	65		14	69	10
10	3	271	234	37	226	45	208	63	202	69	186	85	186		85	201	70
Totals		431	385	46	361	70	340	91	335	96	312	119	314		117	334	97
11	1	155	140	15	132	23	133	22	130	25	128	27	127		28	129	26
11	2	301	263	38	252	49	237	64	235	66	223	78	223		78	240	61
11	3	309	249	60	244	65	234	75	222	87	211	98	213		96	235	74
Totals		765	652	113	628	137	604	161	587	178	562	203	563		202	604	161
Grand Total		6145	5228	917	5082	1063	4789	1356	4656	1489	4420	1725	4440	1	1704	4762	1383

WARD	PRECINCT	Timothy J. Buckley, 7 Lawrence St., Boston	Blank	William H. Barter, 33 Circuit Road, Winthrop	Blank	Douglass	Green	McGrath	Blank	Farley	McGonagle	Blank	John P. Brennan, 24 DeWolf St., Cambridge	James Bean	Timothy W. Good	Blank
1		364	138			60	248	128	66							
2		418	168			60	257	208	61							
3	1	169	73			29	110	74	29							
3	2	159	81			33	110	61	36							
3	3	208	69			36	85	123	133							
3	4	190	68			33	110	90	25							
Totals 3		726	291			251	920	684	250	224	165	61				
4		342	108													
5				363	172								399			136
6				232	133								263			102
7				276	162								296			142
8				309	218								365			162
9	1			53	26								54			25
9	2			116	67								129	1	1	52
9	3			193	74								201			66
Totals 9				362	167								384	1	1	143
10	1			57	24								56			25
10	2			60	19								62			17
10	3			166	105								187			84
Totals 10				283	148								305			126
11	1			115	40								117			38
11	2			216	85								225			76
11	3			185	124								212			97
Totals 11				516	249								554			211

[illegible]

WARD PRECINCT		STATE COMMITTEE Third Suffolk					Second Middlesex					COUNTY COMMISSIONER																
		Second Suffolk					Blank		Edwin D. Edwards		Eugene M. Flanagan		Blank		Butler		McCarthy		McCloskey		McLaughlin		O'Connor		Walsh			
1	1	114	166	222											19	78	159	26	80						57	80		Blank
2	2	133	187	266											23	56	270	42	76						29	99		
3	1	51	94	97											10	22	47	47	55					27	34			
3	2	44	80	116											12	21	53	31	54					17	52			
3	3	61	104	112											13	20	47	45	83					20	49			
3	4	53	96	109											9	29	47	22	84					20	47			
Total		209	374	434											44	92	194	145	276					84	182			
Grand Total		456	727	922																								
4	4				199	120	131								21	45	59	43	147					35	100			
5	5								164	176	195				16	50	118	26	161					33	131			
6	6								105	122	138				3	24	39	23	157					19	100			
7	7								138	154	146				18	37	67	21	138					33	124			
8	8								263	76	188				5	39	52	16	197					48	170			
9	1								35	18	26				3	15	9	5	22					8	17			
9	2								63	52	68				4	7	14	6	47					54	51			
9	3								90	99	78				8	24	31	7	49					105	43			
Total									188	169	172				15	46	54	18	118					167	111			

10	1							40	19	22	8	5	7	3	26	8	24
10	2							23	31	25	5	11	9	0	28	10	16
10	3							81	87	103	9	27	17	9	82	59	68
Total 10								144	137	150	22	43	33	12	136	77	108
11	1							62	51	42	6	11	11	12	74	13	28
11	2							102	96	103	6	20	12	3	183	24	53
11	3							79	102	128	5	18	18	6	172	18	72
Total 11								243	249	273	17	49	41	21	429	55	153
Grand Total								1245	1083	1262	203	559	1086	393	1915	637	1352

DELEGATES TO DEMOCRATIC STATE CONVENTION

WARD 1

Blank	1004
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WARD 3

John J. Murphy	1
John D. McKenna	1
Daniel J. Toomey	1
Glackers.....	1
Stanger	1
Forbes	1
Huggins	1
Horace Gray	1
Blank	4068

WARD 4

Blank	1350
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WARD 5

J. Edward Barry	1
Charles A. Fallon	1
James F. Aylward	1
Blank	1602

WARD 6

Blank	1095
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WARD 7

Herman Bird	1
Frank Facey	1
Edw. Edwards	1
John Ducey	1
Eugene Flanagan	1
Mayor Good	1
Blank	1308

WARD 8

Eugene B. Baunan	359
Albert P. Hamilton	342
William H. Flaherty	346
Blank	534

WARD 9

John F. O'Brien	1
John T. Shea	1
James Grant	1
John F. O'Brien	1
John D. Donovan	1
John M. McCoult	1
James T. Twohig	1
Ed. Ferguson	1
Michael Hillery	2
Thomas H. Vahey	1
Blank	1575

WARD 10

Theodore W. Hillier	1
John Costello	1
Thomas F. Royle	1
John Buckey	1
Hugh V. Conley	2
Geo. V. Douglas	1
P. J. Curley	1
Daniel Collins	1
Blank	853

WARD 11

John J. Foley	1
Fred E. Deitrich	1
John P. Conroy	1
Patrick J. Curley	1
Joseph Anthier	1
Michael O'Connor	1
Frank McDermott	1
Thomas F. Royle	1
Francis Carney	1
Patrick F. Sullivan	1
Blank	3050

DEMOCRATIC WARD COMMITTEE

WARD 1	
Blank	5020
WARD 2	
Blank	5860
WARD 3	
Michael J. Mahoney	549
Timothy J. Cleary	532
George A. Vallely	526
Michael Henry Horgan	514
Charles M. Kenney	519
Dennis F. Hurley	520
Thomas U. Batt	513
James F. Quinn	518
Martin F. Carew	514
Edward T. Niles	520
William Glacken	1
William Stanger	1
Mike Huggins	1
Walter Connell	1
William Forbes	1
Blank	3940
WARD 4	
Sherwood B. Wetmore	271
William Danehy	276
Patrick H. McDermott	266
Thomas Daly	261
Frank G. Feeney	262
Jesse T. Silva	260
Joseph L. McCarthy	259
James P. Ryan	263
Benjamin Waldfogel	253
Walter J. Whelan	267
Blank	1862
WARD 5	
Charles A. Fallon	3
Samuel W. Pill	3
Martin Shannon	3
John Mulligan	3
Michael N. Shannon	2
Joseph P. Flynn	2
David A. Ryan	1
Joseph M. Madden	1
Chester A. Belisle	2
Fred C. Haverty	1
Blank	5329
WARD 6	
James H. McKenney	1
Herbert M. Hackett	1
William H. Nagle	1
Alfred H. Kelley	1
Arthur Daunett	1
Joseph Lamb	2
Frank Davis	1
Blank	4642

WARD 7

John C. Leary	1
Eugene M. Flanagan	1
Thomas J. Cavanagh	1
Willis J. Murphy	7
John F. Fitzmaurice	7
John T. Hayes	7
John J. Ducey	7
Francis J. McTighe	7
Patrick Berkeley	7
David O'Meara	7
William P. Dwelley	7
Walter A. Kelly	6
James T. Cox	1
John J. Cockery	1
Austin A. O'Toole	1
Edward F. Murphy	1
T. F. Murphy	1
Ed. T. Murphy	1
Blank	4299

WARD 8

John D. Ahern	83
Charles W. Johnson	80
William E. Francis	81
Peter E. Flynn	80
Thomas W. Tevlin	98
Charles K. McDermott	84
Daniel W. Cronin	84
James L. Duffy	77
Robert J. McLaughlin	87
Albert P. Hamilton	90
Edwin D. Edwards	133
Richard L. Barry	132
John J. McCarthy	142
John G. O'Flanagan	125
James M. Shannon	128
Joseph J. Germaine	116
Thomas F. Sullivan	120
John L. McDonald	18
William J. Melvin	112
Edward A. Hanley	124
Blank	3186

WARD 9

John F. O'Brien	13
James Grant	13
Francis J. Braman	10
John F. Shea	11
Patrick J. Monahan	11
Thomas E. Kennedy	11
Edward Grant	12
Patrick J. Curtin	12
Peter J. Kenney	11
Thomas F. Carey	11
Michael Griffin	1
Alfred J. Powers	1
J. A. Downey	1
Blank	5172

WARD 10

Michael F. Hillery	4
Walter Kirby	3
Theodore W. Hillier	3
Michael Corcoran	3
William Boyle.....	3
John Daly	1
Samuel Collins	1
James Macklin	1
Bernard G. Macklin	1
John Manning	1
Theobald F. Corcoran	1
P. J. Curley	2
Thomas F. Cosgrove	2
Nicholas F. Burke	2
Timothy J. Shine	2
Joseph P. Harney	2
John J. Holmes.....	2
Frank F. Smith.....	2
Wm. J. O'Brien	2
George V. Douglass	2
Hugh V. Conley	2
Cornelius Monihan	1
Blank	4267

WARD 11

Thomas F. Royle	478
Francis J. Carney	483
George R. Cashman	478
J. Frank Facey	496
James J. Hill.....	481
Joseph O. Anthier	490
John A. Tupper	479
Frank McDermott	477
John J. Foley	478
Michael M. O'Connor	508
McCarthy	1
Blank	2801

VOTES CAST AT REPUBLICAN PRIMARY, SEPTEMBER 22, 1914

		GOVERNOR				LIEUT. GOVERNOR				SECRETARY				TREASURER	
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY		TREASURER							
		GOVERNOR		LIEUT. GOVERNOR		SECRETARY									

REPUBLICAN PRIMARY—Continued

VOTES CAST AT PRIMARIES

731

		AUDITOR			ATTORNEY-GENERAL						CONGRESSMAN		
WARD	PRECINCT	Alonzo B. Cook	Joseph Monette	Blank	Henry A. Attwill	John A. Curtin	James M. Hallowell	John J. Higgins	James A. Stiles	Blank	Charles A. Baxter	Frederick W. Dallinger	Blank
1.....		11	4	5	0	3	1	11	2	3	1	18	1
2.....		12	2	2	0	1	1	12	1	1	1	15	0
3.....	1.....	0	0	0	0	0	0	0	0	0	0	0	0
3.....	2.....	1	1	0	0	0	0	1	1	0	0	2	0
3.....	3.....	11	0	2	3	2	2	6	0	0	1	12	0
3.....	4.....	11	1	1	2	2	3	2	4	0	1	11	1
Totals 3		23	2	3	5	4	5	9	5	0	2	25	1
4.....		77	22	27	11	24	16	46	9	20	21	95	10
5.....		167	83	40	27	33	61	114	26	29	28	259	3
6.....		208	57	45	28	72	40	111	27	32	57	243	10
7.....		208	57	74	42	78	41	106	23	49	67	249	23
8.....		89	50	17	10	50	36	43	8	9	28	125	3
9.....	1.....	43	16	8	3	16	28	14	5	1	12	53	2
9.....	2.....	22	25	11	5	10	28	6	6	3	13	43	2
9.....	3.....	59	21	6	9	26	17	18	12	4	11	74	1
Totals 9		124	62	25	17	52	73	38	23	8	36	170	5
10.....		77	34	9	7	40	34	28	7	4	13	104	3
10.....	1.....	77	41	18	10	63	19	24	12	8	15	120	1
10.....	2.....	9	6	1	1	8	1	3	2	1	2	13	1
10.....	3.....												
Totals 10		163	81	28	18	111	54	55	21	13	30	237	5
11.....		49	14	5	11	32	6	17	2	0	8	60	0
11.....	1.....	23	10	6	7	14	2	12	3	1	4	33	2
11.....	2.....	6	1	1	0	1	2	3	1	1	2	5	1
11.....	3.....												
Totals 11		78	25	12	18	47	10	32	6	2	14	98	3
Grand Totals		1160	445	278	176	475	338	577	151	166	285	1534	64

10.....	1	33	51	32	4				110	1	9		106	14
10.....	2	35	53	32	16				123		13		120	16
10.....		4	2	9	1				15		1		15	1
10.....	3													
Totals 10		72	106	73	21				248	1	23		241	31
11.....	1	16	22	28	2				65		3		63	5
11.....	2	11	10	15	3				34		5		32	7
11.....		1	3	3	1				7		1		8	0
11.....	3													
Totals 11		28	35	46	6				106		9		103	12
Grand Totals		359	557	747	220				1462	1	230		1376	317

SENATOR
Third Suffolk

[illegible]

		2nd Suffolk District		3rd Suffolk District		2nd Middlesex District	
WARD	PRECINCT	2nd Suffolk District		3rd Suffolk District		2nd Middlesex District	
		Joseph J. Dennison	Blank	Lombardi	Blank	William R. Davis, 349 Broadway	Harry N. Stearns, Avon St.
1.....	.....	14	6				
2.....	.....	12	4				
3.....	1.....	No Votes	Cast				
3.....	2.....	9	2				
3.....	3.....	11	4				
3.....	4.....		2				
Grand Totals		46	18	73	53		
4.....	.....					
5.....	.....					248	42
6.....	.....					232	78
7.....	.....					253	86
8.....	.....					125	31
9.....	1.....					56	11
9.....	2.....					46	12
9.....	3.....					71	1
Totals 9						173	37
10.....	1.....					106	14
10.....	2.....					112	24
10.....	3.....					15	1
Totals 10						233	39
11.....	1.....					65	3
11.....	2.....					34	5
11.....	3.....					7	1
Totals 11						106	9
Grand Totals						1370	322
							1

DELEGATES TO REPUBLICAN STATE CONVENTION

WARD 1

John R. Fairbain	15
Blank	5

WARD 2

Horace L. Jackman	11
Blank	5

WARD 3

Louis Hansis	2
Louis Denner	2
George Messer	2
Herbert Denner	2
Louis Harris	1
Blank	19

WARD 4

William H. Lee	101
Winslow Herbert Dodge	98
Blank	53

WARD 5

Frank D. Chamberlain	258
John B. Smithers	252
Abbott Parker	253
Chester P. Brown	256
Blank	141

WARD 6

George A. Gore	263
Malcolm E. Rideout	261
Richard Wright	260
Harry A. Penniman	271
Blank	185

WARD 7

Obert Sletten	260
Fred L. Beunke	264
Charles E. Carruth, 2nd.	270
William H. King	257
Blank	305

WARD 8

George L. Dow	142
Walter C. Wardwell	144
George K. Heggins	139
Blank	43

WARD 9

Stoughton Bell	195
Harry F. R. Dolan	192
Albert S. Apsey	190
John Read	198
R. D. Swaine	1
K. P. Hill	1
Charles H. Glidden	1
R. Walcott	1
Robert Walcott	1
Alva H. Rockwood	1
John L. Dyer	1
George C. Carrick	1
Blank	292

WARD 10

Wendell D. Rockwood	253
Harry N. Stearns	256
George B. Wason	253
Marshall F. Blanchard	253
Blank	73

WARD 11

Elmer F. Butler	87
James S. Crawford	90
Philip R. Ammidon	87
Blank	81

REPUBLICAN WARD COMMITTEE

WARD 1

William Ward	10
Alexander Lees	8
Edward L. Brodie	8
Harry G. Walker	8
John W. Garvin	9
Blank	57

WARD 2

Horace S. Jackman	15
William A. Smith	15
Warren L. Rich	15
William G. Andrew	15
Blank	20

WARD 3

Louis Hansis	1
Louis H. Harris	1
George W. Mauser	1
Blank	137

WARD 4

George F. Mullett	90
John C. Jacobson	93
William H. Lee	92
John Garfinkle	86
Harry H. Clifford	86
Winslow H. Dodge	91
Blank	218

WARD 5

William H. Davis	250
Frank H. Chamberlin	249
Roland E. Brown	250
Albert M. Chandler	250
Daniel J. Keefe	249
Ernest A. Thompson	250
Samuel W. Bailey	249
William H. Joyce	248
Blank	325

WARD 6

Frederic F. Clauss	256
Harold M. Bradbury	251
Wendell C. Tucker	243
Harry W. Joel	247
Minon F. Hamlin	241
Albert E. Parker, Jr.	241
Everett L. Ganyon	241
Blank	450

WARD 7

Charles E. Carrth, 2nd	259
James K. Tweedie	262
Cornelius J. McArthur	252
Obert Sletten	250
Charles A. Vaughan	250
Isaac Polak	252
Franklin H. Wright	267
Blank	181

WARD 8

Richard F. Higgins	135
George K. Higgins	133
George L. Dow	136
John R. Flewelling	137
Ernest M. Clark	136
Howard F. Peak, Jr.	137
Arthur S. Beunink	135
Blank	143

WARD 9

Stoughton Bell	195
Harry F. R. Dolan	191
Roger D. Swain	198
Robert Walcott	194
Albert S. Apsey	190
Clarence H. Poor	191
Nathaniel C. Nash, Jr.	192
John A. Hubbard	1
K. P. Hill	1
Charles M. White	1
John L. Dyer	1
Alva H. Rockwood	1
Blank	332

WARD 10

Marshall F. Blanchard	247
Harry N. Stearns	251
Henry W. Beal	248
George W. Long	249
Farwell E. Thayer	244
Nelson C. Metcalf	247
George B. Wason	250
Wendell D. Rockwood	249
Charles R. Apted	1
Blank	190

WARD 11

Elmer F. Butler	80
George A. Parry	82
James S. Crawford	81
William T. Skinner	81
Philip R. Ammidon	81
Harry W. McKay	80
Earl M. Perry	81
Blank	239

WARD		PRECINCT		Whole Number of Ballots Cast	Joseph Walker	Samuel W. McCall, Winchester	Blank	Frederick W. Dallinger	Harry O. Long	Hugh J. McGinness	Blank	Albert M. Chandler	Frederic Clauss	John F. Ollis	James K. Tweedie	Carroll A. Young	John C. Taylor	John C. Taylor, 33 Essex St.	Carroll A. Young, 32 Bigelow St.	Blank
1.....		6		6	6		0	3	3		0									
2.....		0		0			0													
3.....	1.....	1		1	1		0	0	1	0										
3.....	2.....	1		1	1		0	1												
3.....	3.....	0		0																
3.....	4.....	0		0																
Totals 3				2	2		0	1	1	0	0									
4.....		11		11	11		0	3	7	1	0									
5.....		24		24	21	1	2	15	7	1	1	2	3	8	3					
6.....		27		21	21		6	17	9	1	0	15	8	13	8					
7.....		57		43	43		14	44	4	2	7	48	46	14	15	6	5			
8.....		25		22	22		3	12	10	3	0	Totals 80	72	48	64	6	5			
9.....		11		10	10		1	9	1		1									
9.....	1.....	5		4	4		1	3			1									
9.....	2.....	14		12	12		2	11	3		0									
Totals 9				30	26		4	23	5		2									
10.....		20		20	20		0	12	6	1	1									
10.....	1.....	17		17	17		0	9	6	0	2									
10.....	2.....	3		3	3		0	1	1	0	1									
Totals 10				40	40		0	22	13	1	4									
11.....		12		11	11		1	7	4	0	1									
11.....	1.....	2		2	2		0	0	0	0	2									
11.....	2.....	2		1	1		1	1	1	0	0									
Totals 11				16	14		2	8	5	0	3									
Grand Totals				238	206	1	31	148	64	9	17									

GOVERNOR												
WARD	PRECINCT	James A. Magenis	Blank	Russell A. Wood	Philip M. Clark	Russell Crane	Blank	Daniel J. Murphy	Blank	Frederick P. Glazier	Blank	John Hildreth
1.....		6	0	5			1	5	1	5	1	5
2.....		No Votes	Cast									
3.....	1.....	1	0	1			0	1	0	1	0	1
3.....	2.....	1	0	1			0	1	0	1	0	1
3.....	3.....	No Votes	Cast									
3.....	4.....	No Votes	Cast									
Totals 3		2	0	2			0	2	0	2	0	2
4.....		10	1	8			3	9	2	9	2	9
5.....		19	5	17			7	18	6	18	6	18
6.....		19	8	23			4	19	8	20	7	21
7.....		39	18	41			16	34	23	37	20	37
8.....		22	3	20			5	22	3	23	2	23
9.....	1.....	9	2	4	1		6	7	4	10	1	10
9.....	2.....	4	1	2		1	2	4	1	4	1	3
9.....	3.....	10	4	7			7	10	4	11	3	11
Totals 9		23	7	13	1	1	15	21	9	25	5	24
10.....		19	1	18			2	17	3	0	0	20
10.....	1.....	16	1	14			3	14	3	14	3	14
10.....	2.....	2	1	2			1	2	1	1	2	1
10.....	3.....											
Totals 10		37	3	34			6	33	7	35	5	35
11.....		9	3	7			5	9	3	11	1	11
11.....	1.....	2	0	2			0	2	0	2	0	2
11.....	2.....	1	1	1			1	1	1	1	1	1
11.....	3.....											
Totals 11		12	4	10			6	12	4	14	2	14

REPRESENTATIVES

Third Middlesex

STATE COMMITTEE

Second Middlesex

SENATOR

Second Middlesex

VOTES CAST AT PRIMARIES

743

WARD	PRECINCT	James W. Bean	Thomas Hadley	Edwin D. Stickney, 3 Clinton St.	Edwin Stickney, 3 Clinton St.	Ed. Stickney	Blank	Russell D. Crane	Wayne K. Little	Blank	Arthur K. Reading	C. Burnside Seagrave	Roger D. Swain	Charles M. Rand	Ernest G. Nutman, 170 Lexington Ave.	James P. Harris, 249 Huron Ave.	Edwin B. Hines, 6 a Day St.	Eugene B. Price, 30 Hubbard Ave.	Blank
1.....	1.....																		
2.....	2.....																		
3.....	3.....																		
3.....	3.....																		
3.....	3.....																		
3.....	3.....																		
3.....	3.....																		
Totals	Totals	17		7	8	4	0	11	9	4						1	1	1	
4.....	4.....																		
5.....	5.....																		
6.....	6.....																		
7.....	7.....																		
8.....	8.....																		
9.....	9.....																		
9.....	9.....																		
9.....	9.....																		
Totals 9	Totals 9	13	1	3			13	21	4	5	24	22	26	1	1				16
10.....	10.....																		
10.....	10.....																		
10.....	10.....																		
Totals 10	Totals 10	29		3			8	22	14	4	33	32	30			2	2	2	19
11.....	11.....																		
11.....	11.....																		
11.....	11.....																		
Totals 11	Totals 11	12		2			2	11	1	4	12	10	10			3	2	3	8
Grand Totals	Grand Totals	144	1	29	8	4	33	122	65	32	69	64	66	1	1	5	4	5	43

	REPRESENTATIVES First Middlesex	COUNTY COMMISSIONER	STATE COMMITTEE Second Suffolk Third Suffolk	
		Blank	Blank	Blank
WARD	PRECINCT			
1.....	.....	12	3	No Votes Cast 6
2.....	.....	2	1	No Votes Cast 1
3.....	1.....	2	1	No Votes Cast 1
3.....	2.....			No Votes Cast
3.....	3.....			No Votes Cast
3.....	4.....			Grand Totals 8
Totals 3		4		
Grand Totals		16		
4.....	.....		3	
5.....	.....		5	
6.....	.....		9	
7.....	.....		23	
8.....	.....		5	
9.....	1.....		4	
9.....	2.....		2	
9.....	3.....		7	
Totals 9			13	
10.....	.....		
10.....	1.....		4	
10.....	2.....		5	
10.....	3.....		2	
Totals 10			11	
11.....	.....		
11.....	1.....		4	
11.....	2.....		0	
11.....	3.....		1	
Totals 11			5	

PROGRESSIVE DELEGATES TO STATE CONVENTION

WARD 1	
Blank	6
WARD 3	
Blank	6
WARD 4	
Blank	33
WARD 5	
Albin M. Richards	18
Edward Cassidy	18
Edwin D. Stickney	18
Blank	18
WARD 6	
Joseph E. Wall	21
George A. Goodwin	20
John M. Murray	23
Henry O. Jones	23
Blank	21
WARD 7	
George R. McCouley	50
George S. Lang	40
Edna Lawrence Spencer	43
Hugh J. McGinness	42
Blank	53
WARD 8	
R. D. Crane	1
C. F. Randall	1
Leo N. Rohde	1
W. K. Little	2
Hugh R. Andloom	2
William F. Phelps	1
Blank	67
WARD 9	
Arthur W. Holcomb	2
Frank H. Thomas	1
B. Frank Hatch	1
Arthur K. Reading	1
B. A. Rice	1
A. B. Boynton	1
C. G. Ryan	1
Blank	82
WARD 10	
Hamilton Harlow	26
Eugene B. Price	28
Mary E. Duhart	27
Blank	39

WARD 11

George R. Henderson	12
Mary J. Mead	12
James A. A. G. Whaley	12
Blank	12

PROGRESSIVE WARD COMMITTEE

WARD 1

E. C. Morse	6
C. A. Linquist	6
L. R. Hubbard	6
F. Fuhrman	6
A. J. Wardwell	6
Isaac Joy	6
Noah Larson	6
Blank	6

WARD 3

Max Reck	20
Hyman Berger	20
John Hazelman	20
Maurice J. White	20
Samuel Sugarman	20
Manassah Goodwin	20
Benjamin E. Buck	20

WARD 4

Walter I. Allard	9
Sherman J. Lee	9
Edmund A. Smith	9
Carl O. Olson	9
Lester E. Hayman	9
John O. Taylor	9
John F. Ollis	9
Blank	14

WARD 5

John Jundahl	12
George Ernest Powers	11
Albert P. Lopez	10
Wisner Martin	10
Trueman Curtis	11
Hyman Sugarman	9
Edward B. Lafleur	9
Albin M. Richards	9
Edward Cassity	6
Edwin D. Stickney	9
Carroll A. Young	8
Frank I. Gookin	9
Charles S. Haskell	8
Albin Johnson	6
Blank	44

WARD 6

Joseph E. Wall	9
John M. Murray	10
Thomas B. Clark	9
Henry G. Jones	11
Joseph L. Winn	10
William P. Gliesman	13
Herbert W. Hall	4
Thomas B. Clark	1
John A. Proctor	1
Daniel H. Leybolt	1
Charles T. Jennings	1
Leander F. Pierce	1
John W. Kollen	2
Blank	116

WARD 7

George R. McCoubrey	29
George S. Lane	22
Edna Laurence Spencer	22
Samuel Margolin	17
Edith Frances Shade	21
Hugh J. McGinness	17
Lyman H. Reynolds	18
Clarence E. Leland	9
Calvin R. Hall	8
Frederick Burgoyne	9
Leonard F. Williams	9
A. Wayne Strauss	10
Edmund H. Leland	9
Blank	199

WARD 8

Leo M. Rohde	21
Charles F. Randall	21
Charles E. Crothers	21
Henry V. Fox	21
Frederick Arthur Alden	21
Herbert L. Crowley	21
Walter A. Stevens	21
W. K. Little	2
H. G. Anderson	2
A. T. Phelps	2
H. L. Crowley	2
George Raymond	2
J. B. Carter, Jr.	2
A. A. Archambeau	2
Blank	14

WARD 9

Russell D. Crane	24
Warren S. Patten	24
Harold T. Patten	24
William M. McDermod	25
Arthur K. Reading	25
Albert Buchnell Hart	25
Frank H. Thomas	25
Roger Sherman	2
James E. Kellerby	2
Edwin R. Sage	2
Frank G. Kellogg	2
James B. Harris	2
David T. Dickinson	2
Francis Stuart Kelshaw	2
Blank	24

WARD 10

Alton H. Hathaway	21
William J. Charlton	20
Maurice V. Conner	20
John W. Stamper	21
John J. Cameron	20
Benjamin W. Homan	20
Peter Pearson	21
Frank S. Harlow	7
Hamilton Harlow	6
James M. Cunningham	6
Eugene B. Price	6
Mary E. Duhart	6
Nicholas Eastman	6
Florence S. Mayo	6
Blank	94

WARD 11

Richard H. Thode	9
Edward B. Hines	9
Walter Sewell	9
Magda Carstein	9
William F. Beaman	10
Adelaid Mercier	9
Nils Pearsin	9
William F. Beaman	1
George R. Henderson	2
Edward B. Hines	1
Mary J. Austin	1
Frederick T. Mayo	1
James A. A. G. Whaley	1
Blank	43

		MAYOR				ASSESSOR				SCHOOL COMMITTEE																
										At Large				Dist. 1												
WARD	PRECINCT	Whole number of ballots cast	James F. Black	Raymond Fitzgerald	George E. Sherman	Charles Lake, 92 Mt. Vernon	John McNally	Timothy W. Good	Edward B. James, Felton Hall	Chas. H. Lake, 64 Mt. Vernon St.	Wendell Rockwood, 11 Avon St.	Daniel D. Connell, 527 Green St.	Blank	John C. Haverly	William M. Hogan	Geo. H. Mahady	Harry B. Adams, 35 Arlington	Blank	John W. Bradley	Charles F. J. McCue	Blank	James T. Barrett	John F. Gadsby	Blank	Total number of women voting	
1		499						384					115	223	267				9	311	180	79	322	191	57	71
2		606						474					132	169	425				12	339	246	133	498	186	34	112
3	1	232						171					61	98	125				9	132	102	59	147	122	24	61
3	2	211						156					55	103	103				5	109	115	37	113	121	27	50
3	3	272						215					57	151	115				6	176	127	38	151	163	27	69
3	4	243						197					46	146	93				4	115	136	37	110	152	26	45
Totals 3		958						739					219	498	436				24	532	480	171	521	558	104	225
Totals 1st District																										
4		582						392			1		185	384	186				12	312	312	53	1341	935	195	408
5		678						479					193	474	190				14	424	488	31				95
6		510						338					172	330	165				15	379	298	41				265
7		614						428			2		183	353	234				27	360	443	43				208
8		615						470	1				144	384	205				26	443	417	54				232
9	1	100						72	1				27	56	39				5	68	147	6				299
9	2	201						151					49	125	55				21	119	235	11				121
9	3	269						206					63	130	128				11	221	193	15				164
Totals 9		570	1	2	2	1	1	429	1	1			139	311	222				37	408	575	32				445
10	1	84						63					21	52	25				7	79	107	3				105
10	2	93						72			1		18	47	39		1	1	5	53	133	4				97
10	3	280						212		1			67	136	134				10	307	102	16				145
Totals 10		457						347		3	1		106	235	198		1	1	22	439	342	23				347
11	1	193						135					58	108	80				5	178	135	8				128
11	2	331						210					121	207	112				12	275	203	22				169
11	3	307						296					11	145	149				13	320	166	31				210
Totals 11		831						641					190	460	341				30	773	504	61				507
Grand Totals		6920	1	2	2	1	1	5121	2	7	4	1	1778	3821	2869		1	1	228	4720	4285	721				2806

ALDERMEN

WARD	PRECINCT	Thomas E. Kennedy	Joseph J. Reed	Herbert M. Bridley	Joseph M. Delaney	William J. Cunningham	James H. Murphy	Charles H. Gaffney	John C. Curtin	John F. Fitzgibbon	Edward H. McDuffee	Edward J. Mahan	Thomas P. Culhane	Dennis F. Hurley	John McKenzie	Charles F. Murphy	Thomas E. Delehanly	Michael F. Alphen	Edward F. MacNeill	John L. McDonald	Frank McLaughlin
		202 216 75 97 126 95	267 333 163 158 151 142	181 202 61 47 85 76	114 128 86 46 101 42	106 133 28 33 59 31	94 120 50 57 82 73	349 395 113 107 132 111	100 121 28 29 56 42	38 54 10 11 26 22	115 140 42 56 96 70	49 58 14 22 26 44	81 116 30 23 50 26	114 168 100 70 72 52	30 30 8 10 13 16	143 199 105 84 56 54	93 105 38 38 71 69	126 122 32 63 71 32	46 90 30 30 40 39	119 141 51 45 59 56	42 54 31 48 44 52
Totals 3		393	614	269	275	151	262	463	155	69	264	106	129	294	47	299	216	198	139	211	175
4		205	190	149	120	194	192	237	108	76	287	56	142	136	43	86	187	145	97	122	85
5		280	238	355	107	98	212	199	147	120	190	68	109	110	80	87	208	112	95	135	84
6		161	92	73	73	113	203	125	138	43	214	30	97	95	45	55	249	245	105	121	26
7		173	82	132	43	88	330	81	143	87	168	22	162	55	56	54	223	253	54	208	15
8		182	94	146	55	64	164	110	139	86	80	25	243	63	138	66	161	118	38	197	32
9	1	42	19	24	15	9	13	12	27	16	19	4	28	9	36	6	17	9	6	19	3
9	2	127	76	29	32	47	37	11	79	95	15	9	59	16	64	11	60	22	13	28	7
9	3	141	35	65	28	38	50	29	176	58	29	12	62	15	46	19	81	39	22	60	13
Totals 9		310	70	118	75	94	100	52	282	169	63	25	149	40	146	36	158	70	41	107	23
10	1	42	15	27	13	9	14	8	23	19	8	5	39	12	29	7	23	9	6	12	3
10	2	41	20	26	13	12	21	17	25	18	20	7	17	8	37	7	25	11	4	18	6
10	3	165	45	41	52	46	55	43	105	146	24	11	60	30	107	33	74	36	26	48	14
Totals 10		248	80	94	78	67	90	68	153	183	52	23	116	50	173	47	122	56	36	78	23
11	1	83	37	62	26	20	30	31	62	29	33	9	49	25	90	20	51	20	9	35	8
11	2	96	50	73	36	36	44	59	101	27	39	17	71	41	149	47	70	28	25	41	21
11	3	84	48	55	38	47	45	60	95	34	35	16	59	41	112	50	67	41	29	48	14
Totals 11		263	135	190	109	103	119	150	258	90	107	42	179	107	351	117	188	89	63	124	43
Grand Totals		2633	2195	1909	1168	1211	1886	2229	1744	995	1680	504	1523	1232	1139	1189	1910	1534	804	1563	602

DEMOCRATIC PRIMARY, FEBRUARY 16, 1915—Continued

WARD AND PRECINCT		ALDERMEN																								
1.....	.....	C. H. Apted, 31A Sacramento St.	Jos. M. F. Hillery, 56 Eustis St.	George Stephens, 10 Traymore St.	Oliver D. Clary, 103 Otis St.	William D. Mullen	Harry W. Davies	Edward J. Dunphy	Timothy F. Murphy	Peter J. Nelligan	Jeremiah Murphy	Robert Wiseman	Joseph A. Sullivan	Francis J. McTighe	John J. McCarthy	John J. Corkery	Frank J. McAvooy	John A. Heinekamp	David F. Corcoran	John A. Kelleher	Michael W. Shannon	Austin A. O'Toole	Edward F. Murphy	James W. Sullivan	James J. Keefe	Blank
2.....	.....					219	15	206	76	113	42	53	181	19	119	66	113	25	97	88	43	18	36	16	35	1500
3.....	1.....					349	14	248	126	108	58	111	141	31	134	99	144	43	102	126	44	29	36	34	43	1741
3.....	2.....					57	8	138	45	42	34	49	42	12	54	44	98	9	39	36	15	9	23	11	16	676
3.....	3.....					52	11	118	28	30	31	56	33	10	39	33	65	26	18	24	25	8	7	6	20	607
3.....	4.....					54	13	155	49	53	31	59	44	22	58	49	114	13	40	55	28	14	21	8	17	679
3.....	.....					44	16	169	44	74	31	64	31	28	50	40	67	30	55	44	40	19	20	10	16	637
Totals 3 .....	.....					207	48	580	166	199	127	228	150	72	201	166	344	78	152	159	108	50	71	35	69	2599
4.....	.....					79	32	235	118	179	58	73	68	68	126	108	132	43	126	137	68	71	60	24	131	1692
5.....	.....					88	45	372	83	253	41	135	60	75	144	128	118	84	183	209	217	45	48	33	41	2031
6.....	.....					61	34	133	133	137	40	21	25	59	132	121	70	25	143	84	25	65	73	33	36	1857
7.....	.....					49	67	166	253	193	50	20	31	124	261	317	46	29	279	117	24	154	245	36	44	1831
8.....	.....					53	117	193	161	189	39	41	50	124	362	289	45	29	347	136	27	37	137	107	38	2043
9.....	1.....	2				7	39	35	11	39	8	5	9	15	38	30	6	5	63	36	0	16	4	6	7	386
9.....	2.....			1		15	44	92	13	65	17	13	10	31	74	66	9	5	128	54	5	36	23	15	38	680
9.....	3.....					29	47	127	22	34	31	16	16	37	122	67	18	12	181	106	5	35	28	13	27	867
Totals 9 .....	.....	2		1	1	51	130	254	46	238	56	34	35	83	234	163	33	22	372	196	10	87	55	34	72	1933
10.....	.....		2			9	21	36	9	39	9	8	9	11	25	25	6	6	32	36	6	6	12	4	10	280
10.....	2.....					12	13	55	7	53	9	11	6	17	30	19	12	8	37	42	3	10	8	6	23	289
10.....	3.....					29	29	175	21	144	36	7	24	29	110	81	14	9	122	99	8	42	37	14	106	783
Totals 10 .....	.....		2			50	63	266	37	236	54	26	39	57	165	125	32	23	191	177	17	58	57	24	139	1352
11.....	1.....					22	24	100	19	128	27	15	12	28	54	37	28	15	76	105	7	21	20	6	79	571
11.....	2.....					29	18	161	42	203	86	40	18	46	118	66	34	8	97	207	12	21	40	8	141	1175
11.....	3.....					36	15	161	50	209	53	19	31	25	107	87	30	7	95	213	6	11	44	11	194	955
Totals 11 .....	.....					87	57	422	111	540	166	74	61	99	279	190	92	30	268	525	25	53	104	25	414	2701
Grand Totals .....	.....	2	2	1	1	11293	622	3075	1307	2385	731	816	841	811	2157	1772	1169	431	2260	1954	608	667	922	399	994	21280

COMMON COUNCIL

[illegible]

COMMON COUNCIL.

[illegible]

DEMOCRATIC PRIMARY, FEBRUARY 16, 1915—Concluded

COMMON COUNCIL														
WARD 10..... 10..... 10..... Totals 10	PRECINCT 1..... 2..... 3..... 1..... 2..... 3..... Totals 11	Richard H. O'Brien	Edward T. Phillips	James M. Cunningham, 1802 Mass. Ave.	Horace A. Skilton 15 Lineau St.	Joseph A. Sullivan, 159 Huron Ave.	Blanks	Charles A. Delaney	John J. Foley	William J. Lynch	Frank J. Stacey	David M. Ward	Daniel T. Walsh	Blank
		54	52	2	2	1	62	117	47	88	10	23	38	63
		66	58				58	65	155	153	36	82	25	146
		187	153				214	32	95	133	96	105	40	113
		307	268	2	2	1	334	214	297	374	142	210	103	322

MAYOR				ASSESSOR				SCHOOL COMMITTEE				At Large										
WARD	PRECINCT	Charles H. Lake	Wendell D. Rockwood	George E. Sherman	Thomas Hadley	Blank	Harry Brooks Adams	James F. Ambrose, Jr.	George H. Mahady	John C. Haverly	John C. Haverly, 885 Mass. Ave.	Blank	Philip R. Ammidon, 74 Beech St.	Charles F. J. Cue	Chas. F. McCue	Blank	C. F. J. McCue	C. McCue	Edna Lawrence Spencer 9 Pleasant	Charles F. J. McCue 356 Western Ave.	Elmer Bright	Hugh Anderson, 79 Trowbridge
1	1	27	4	8	14	1	19	5	0			3	24			3						
2	2	28	9	8	11	0	21	3	1			3	22			6						
3	1	7	3	2	2	0	2	3	0			2	6			1						
3	2	26	12	3	6	5	11	4	1			10	10			16						
3	3	32	8	7	14	3	20	6	2			4	20			12						
3	4	34	7	8	14	5	21	3	1			9	22			12						
Totals 3		99	30	20	36	13	54	16	4			25	58			41						
4		206	34	76	87	9	158	8	21			17	191			25						
5		282	65	130	84	3	202	13	49			18	255	1		34						
6		361	74	101	176	10	257	24	53			26	322			51						
7		390	70	158	151	11	266	36	46			42	239			68						
8		222	87	94	34	7	161	12	33			15	198	1		29					1	1
9	1	90	30	48	12		57	8	21			4	99	1		7						
9	2	67	20	34	13	0	37	3	18	1		8	55			12		1				
9	3	97	26	32	38	1	64	1	28			4	97	1		10						
Totals 9		254	76	114	63	1	158	12	67	1		16	251	2		29		1				
10	1	135	41	78	14	2	87	7	28			13	124			21						
10	2	146	66	72	7	0	86	21	30			9	144			7		1				
10	3	36	8	20	5	3	15	4	15			2	33			3						
Totals 10		317	115	170	26	5	188	32	73			24	301			31		1				
11	1	90	35	28	27		64	15	5			5	92			6						
11	2	49	15	14	20	0	38	5	4			2	51			3						
11	3	18	6	5	4	3	12	1	2			3	12			6						
Totals 11		157	56	47	51	3	114	21	11			10	155			15						

[illegible]

CITIZENS' MUNICIPAL PRIMARY, FEBRUARY 16, 1915

		COMMON COUNCIL												WARD 8	
WARD	PRECINCT	WARD 7						WARD 8							
		Edmund H. Ireland	Lyman H. Reynolds	Charles A. Vaughan	Franklin H. Wright	Everett Goyon	George S. Kee	Blank	Wilfred L. Clark	Herbert B. Harris	Robert P. Lewis	Howard F. Peak, Jr.	Roy Lawrence Williams	Blank	
7.....	211	116	120	223	1	1	108	153	114	9	126	15	27	
8.....														
.....														
.....														
.....														
Totals 9														

VOTES CAST AT PRIMARIES

WARD		PRECINCT		COMMON COUNCIL										Blanks
9.....	1.....	71	13	Henry W. Durant, 9 Lowell St.	Roswell O. H. Emerson 26 Gurney	A. C. Sturtevant, 60 Roseland	Wilfred Clarke, 5 Sumner Rd.	R. D. H. Durant	Howard F. Baker, Jr.	Francis B. Austin, 102 Holworthy	R. D. H. Emerson	Russell D. H. Emerson, 26 Gurney St.	S. A. Anderson, 170 Lexington Ave.	86
9.....	2.....	40	31											40
9.....	3.....	64	29											71
Totals 9	.....	175	73		28	1	1	1	1	1	1	4	25	1

[illegible]

CITIZENS' MUNICIPAL PRIMARY, FEBRUARY 16, 1915

WARD COMMITTEE

WARD 1

Blank	297
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WARD 2

James M. Cunningham	1
Armand De Patie	1
Frederick Farr	1
Arthur Brown	1
George Rees	1
Edmund L. Leland	1
Howard Peak, Jr.	1
Francis Skinner	1
Horace Skilton	1
Francis Barraro	1
Franklin Wright	1
Blank	297

WARD 4

George F. Mullett	163
John Garfinkle	157
O. Louis Donnini	155
John C. Taylor	159
Axel V. Gertson	163
Harry H. Clifford	163
Charles R. Hall	167
John C. Jacobson	1
William H. Lee	1
Blank	1137

WARD COMMITTEE

CITIZENS' MUNICIPAL PRIMARY, FEBRUARY 16, 1915

WARD 5

Burton F. Gardner.....	1
Charles E. Carruth.....	1
Alton E. Hathaway.....	1
Robert Clark.....	1
George Stevens.....	1
Charles R. Apted.....	1
Andrew L. Wardwell.....	1
John Roundberg.....	1
George S. Laing.....	1
Charles S. Wentworth.....	1
John E. Munson.....	1
Blanks	3091

WARD 6

Blanks	2971
--------------	------

WARD 7

Charles E. Cartuth, 2nd, 9 Laurel St.	319
Cornelius J. McArthur, 34 Prince St.....	295
Obert Sletten, 19 Prince St.....	288
Charles A. Vaughan, 16 Cottage St.....	295
Isaac Polak, 120 Pleasant St.....	299
John E. Ferguson, 27 Magee St.....	295
Edwin R. Gustin, 512 Green St.....	292
Hugh J. McGinniss, 118½ Pleasant St.....	281
Edward H. Leland.....	1
Lyman H. Reynolds.....	1
George S. Kee.....	1
George P. Cooley, Magazine St.....	1
Winfred Mason.....	1
Blanks	1921

WARD 8

Blanks	2442
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WARD COMMITTEE

WARD 9

	Pre. 1	Pre. 2	Pre. 3	Total
William M. McDermord, 7 Cushing St.....	9	10	3	22
Harry F. R. Dolan, 396 Huron Ave.	9	10	3	22
Warren S. Patten, 48 Brattle St.....	9	10	3	22
Kenneth P. Hill, 1636 Mass. Ave.	8	10	3	21
Roger D. Swain, 190 Brattle St.	9	10	3	22
Leo M. Rhode, 108 Fairweather St.	8	10	3	21
Roswell D. H. Emerson, 26 Gurney St.	9	11	3	23
Henry W. Durant, 9 Lowell St.....	8	11	3	22
George O. White, Fresh Pond Parkway	0	0	1	1
George H. Carack, Fayerweather	0	0	1	1
Blanks	921	655	1041	2617

WARD 10

	Pre. 1	Pre. 2	Pre. 3	Totals
Wendell D. Rockwood	117	136	32	285
Alton H. Hathaway.....	116	135	31	282
Charles H. Lake	117	132	30	279
James W. Cunningham	117	134	30	281
Harry Brooks Adams	110	121	28	299
Harry Mason	1	0	0	1
Arthur E. Bean	1	0	0	1
Enoch Bean	1	0	0	1
Emanuel Osterbird	1	0	0	1
Albert H. Hall	1	0	0	1
John C. Dow	1	0	0	1
George B. Stephens, 9 Traymore St.	1	0	0	1
Herbert F. Wyeth	1	0	0	1
Thomas Hadley	0	1	0	1
Charles H. Parmenter	0	1	0	1
Blanks	900	946	245	

WARD 11

	Pre. 1	Pre. 2	Pre. 3	Total
Early P. Perry, 18 Jackson St.	0	0	1	1
Andrew Fassett, 23 Waldon	0	0	1	1
Blanks	0	0	196	

NUMBER OF REGISTERED VOTERS

NUMBER OF REGISTERED MALE VOTERS BY WARDS, FROM 1897 TO 1915

WARD	November 1897	December 1897	November 1898	December 1898	November 1899	December 1899	November 1900	December 1900	November 1901	December 1901	November 1902	December 1902	November 1903	December 1903	November 1904	December 1904
1.....	2,362	2,397	2,264	2,333	2,257	2,302	2,492	2,554	2,491	2,566	878	999	980	1,036	1,007	1,044
2.....	3,797	3,854	3,847	3,949	3,973	4,039	4,492	4,530	4,364	4,461	912	1,008	1,011	1,108	1,112	1,152
3.....	1,885	1,934	2,004	2,060	1,950	2,039	2,081	2,093	1,885	1,939	1,608	1,700	1,690	1,797	1,840	1,929
4.....	3,000	3,036	2,877	2,979	2,740	2,861	3,003	3,099	2,980	3,083	1,519	1,621	1,621	1,763	1,726	1,809
5.....	1,686	1,716	1,703	1,776	1,680	1,750	2,007	2,091	2,198	2,244	1,564	1,622	1,645	1,708	1,715	1,764
6.....											1,567	1,747	1,749	1,930	1,931	2,024
7.....											1,753	1,899	1,834	1,938	1,946	2,052
8.....											1,336	1,510	1,540	1,650	1,682	1,723
9.....											1,334	1,428	1,455	1,520	1,507	1,549
10.....											1,009	1,142	1,132	1,157	1,173	1,199
11.....											1,384	1,463	1,494	1,560	1,586	1,629
Totals	12,730	12,937	12,695	13,097	12,600	12,991	14,075	14,367	13,918	14,293	14,954	16,139	16,151	17,167	17,225	17,874

WARD	November 1905	December 1905	November 1906	December 1906	November 1907	December 1907	November 1908	March 1909	November 1909	March 1910	November 1910	March 1911	December 1911	March 1912	December 1912	March 1913	November 1913	March 1914	November 1914	March 1915
1.....	995	1,037	977	978	903	926	921	947	862	908	831	873	826	829	784	820	740	766	727	770
2.....	1,038	1,066	989	997	924	940	950	973	923	951	889	920	901	917	895	931	843	873	824	869
3.....	1,797	1,834	1,467	1,495	1,460	1,560	1,521	1,584	1,509	1,597	1,428	1,530	1,487	1,541	1,483	1,565	1,438	1,508	1,439	1,484
4.....	1,680	1,777	1,320	1,370	1,349	1,494	1,357	1,437	1,362	1,461	1,369	1,455	1,419	1,444	1,395	1,458	1,358	1,413	1,372	1,475
5.....	1,750	1,825	1,792	1,802	1,718	1,756	1,722	1,776	1,696	1,734	1,738	1,797	1,765	1,789	1,830	1,871	1,803	1,856	1,803	1,858
6.....	1,973	2,084	1,948	1,962	1,859	1,935	1,868	1,933	1,821	1,889	1,780	1,864	1,880	1,938	1,841	1,900	1,842	1,906	1,843	1,945
7.....	1,941	2,038	1,958	1,993	1,869	1,937	1,907	1,967	1,787	1,850	1,785	1,834	1,756	1,832	1,877	1,924	1,858	1,935	1,949	2,040
8.....	1,625	1,713	1,627	1,631	1,597	1,655	1,613	1,638	1,493	1,576	1,474	1,510	1,519	1,559	1,711	1,748	1,606	1,650	1,621	1,667
9.....	1,505	1,547	1,542	1,555	1,515	1,557	1,565	1,607	1,548	1,596	1,596	1,617	1,636	1,649	1,747	1,784	1,761	1,787	1,799	1,825
10.....	1,195	1,223	1,184	1,193	1,172	1,202	1,196	1,231	1,195	1,248	1,255	1,273	1,318	1,327	1,424	1,446	1,423	1,453	1,418	1,444
11.....	1,636	1,696	1,607	1,628	1,537	1,570	1,493	1,535	1,493	1,534	1,542	1,569	1,460	1,633	1,730	1,794	1,736	1,783	1,782	1,844
Totals	17,135	17,840	16,411	16,604	15,903	16,532	16,113	16,628	15,689	16,344	15,687	16,242	15,977	16,458	16,717	17,241	16,408	16,930	16,577	17,221

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